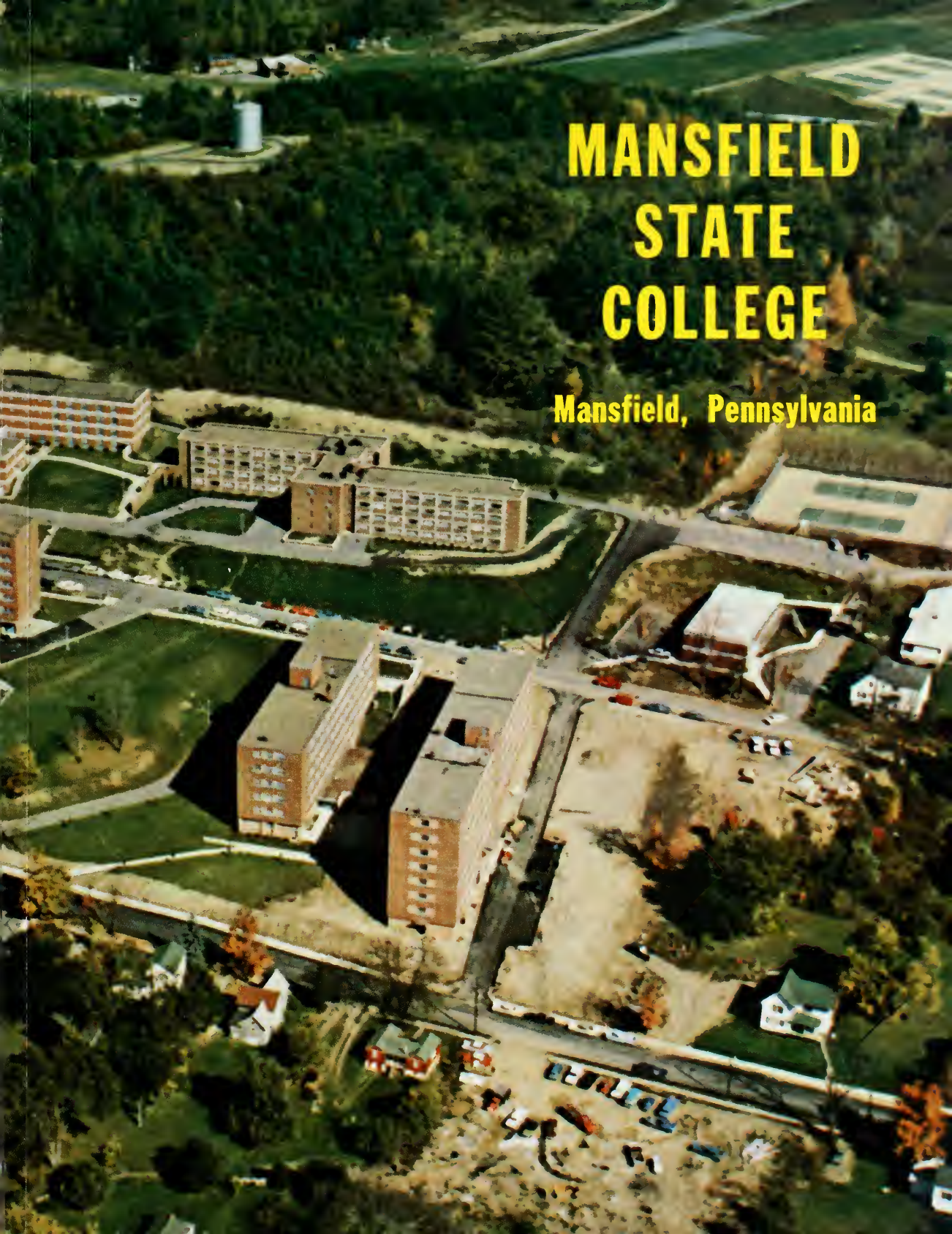

MANSFIELD STATE COLLEGE

Mansfield, Pennsylvania

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MANSFIELD STATE COLLEGE

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THE COLLEGE CATALOG

Published by the Trustees of Mansfield State College, Mansfield, Pennsylvania.

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THE COLLEGE

Philosophy

The ultimate goal of the College is to provide for its students the opportunity for the richest possible educational experience — a life segment which will most ably fit him to fill the role of contributor during his adulthood. "Education" is interpreted as the summation of experiences which modify the behavior and attitudes of the individual — thus, the academic disciplines, participation in student activities and social experiences all represent valued influences.

The history of institutional development of the College reflects not only a pervading belief in the worth of the individual student, but also a sensitivity to the changing requirements of the modern world. A spiraling emphasis on the benefits of higher education to a larger proportion of secondary school graduates has been accorded impetus to the emerging multipurpose concept of Mansfield State College.

Today's college has discarded the notion of "terminal education." The present curricula provide cultural enrichment, in-depth investigation of major areas and necessary background which enable the student to live a more effective life, accept a vocational opportunity upon achieving the plateau marked by the awarding of a degree, and engage in continuing educational pursuits.

This college welcomes qualified students, faculty, and staff from all racial, religious, national and socio-economic backgrounds.

It is the belief of the trustees, administrators and faculty of Mansfield State College that its quality of vision shall be continually enhanced.

History

In 1857 the Mansfield Classical Seminary opened with a registration of 105 students. Four months later the original building burned to the ground; however, prominent citizens of the area, who had done much of the preliminary planning for the original structure, renewed building operations with the result that South Hall was available for the formal opening of school November 23, 1859.

In 1862, because of the serious financial difficulties of the Seminary, the Commonwealth of Pennsylvania acceded to the request of the trustees and established it as the Normal School of the Fifth District.

Student Teaching was organized in 1871, in conjunction with the elementary grades of the Mansfield Soldiers Orphans School. Later, when the need for the Orphans School no longer existed and it was dissolved, the lower grades of the local public school were utilized for this phase of teacher education. A modern laboratory school for the lower grades was opened on the campus in 1914.

The State Council of Education in June, 1926, authorized the State Normal School at Mansfield to confer the Degree of Bachelor of Science in the areas of elementary education and secondary education. A year later Mansfield was designated a State Teachers College by formal resolution. Indicating a broadened concept of professional preparation, the Pennsylvania Legislature on January 8, 1960, authorized the general title, **Mansfield State College.**

Studies

Since it was first authorized to grant the B.S. in Education, Mansfield has expanded its curriculum to include study in anthropology, art, biology, chemistry, earth-space science, economics, elementary education, English, French, geography, geology, German, health and physical education, history, home economics, library, mathematics, music, philosophy, physics, political science, psychology, public school nursing, sociology, Spanish, special education and speech and theatre.

M.S.C. offers graduate programs in elementary education, English, history, mathematics and music. Graduate courses are available in art, geography, library, political science, psychology and special education.

Accreditation

Mansfield State College is accredited by the Middle States Association of Colleges and Secondary Schools and by the National Council for Accreditation of Teacher Education.

Individual departments also hold membership in the regional and national professional societies associated with their respective discipline.

Summer Sessions

The summer sessions are designed for teachers desiring to enrich or broaden their professional education, high school graduates wishing to start their college studies early, and college students following an accelerated program or completing special requirements, and for graduate study.

By attending summer sessions, the student may complete requirements for the baccalaureate degree, the master's degree, extend certification to additional teaching fields or make permanent the provisional college certificate.

The College schedules two sessions of six weeks each. Summer school credits may be earned at the rate of one credit per week of attendance. A total of 12 semester hours may be earned by attending both sessions. Permission to enroll for more than 12 hours must be obtained. For further information write to the Director of Summer Sessions.

The Community

The Borough of Mansfield is located in Tioga County in the heart of Pennsylvania's beautiful Northern Tier. A residential community, its pleasant streets are lined with the harmonious mixture of well-kept traditional homes, modern dwellings, and apartment complexes which denote the blending of history and current vitality.

The region is characterized by hills, forests and farmlands and is noted for hunting and fishing. Opportunities for outdoor activities are highlighted by the scenic grandeur of the Grand Canyon of Pennsylvania, the winter sports center at Denton Hill State Park and the beach and boating facilities at Hills Creek Lake State Park — all of which lie nearby.

The Borough is situated at the junction of U. S. Routes 6 and 15. It is about 35 miles from the Chemung County (N.Y.) Airport, 20 miles from the Grand Canyon State Airport near Wellsboro, and 31 miles from each of the New York rail centers of Elmira and Corning.

Admission

Applicants may be enrolled for the fall semester, spring semester or for any of the summer sessions.

Requirements for Admission

1. General scholarship as demonstrated by:
   a. graduation from an approved secondary school or equivalent preparation as determined by the Credentials Evaluation Division of the Pennsylvania Department of Public Instruction.
   b. a satisfactory score in the Scholastic Aptitude Test of the College Entrance Examination Board, and such other tests as the College may deem necessary.
2. Satisfactory recommendation as to the student's character, personality traits, attitudes and interests (from the high school principal, guidance director or other school official acquainted with the student).

Completion of the following secondary school work is recommended as minimum preparation:

English	3 credits
history or social studies	2 credits
laboratory science*	2 credits
algebra and/or plane geometry	2 credits
foreign language	2 credits
electives	5 credits

*The student planning to select home economics as a major should be aware of the need for a background in chemistry.

When a student has been granted admission and fails to enroll, his acceptance for admission will be valid for no more than two years following the month for which admission was granted. After two years such students must reapply for admission as a new applicant and meet the standards for acceptance current at the time of reapplication.

The College reserves the right to establish or change admission standards as it deems necessary.

All applications for admission should be made to the Director of Admissions, Mansfield State College, Mansfield, Pennsylvania, 16933.

Application Procedures (Freshmen)

1. Return the application form found on the last page of this bulletin with the ten-dollar application fee. Applicants will be accepted beginning July 1 following the junior year of high school.
2. The applicant will receive a personnel form and a high school record form by return mail.
3. Return the forms as indicated. SAT scores should be forwarded to the Admissions Office.
4. Beginning in mid-September, applications will be processed as they are completed until enrollment quotas have been met. To be certain of consideration the student should initiate an application by December of the senior year of high school.

IF OFFERED ADMISSION, THE APPLICANT WILL BE REQUIRED TO SUBMIT A PHYSICAL EXAMINATION REPORT ON THE FORM PROVIDED BY THE COLLEGE. No student shall be registered in any teacher education program who has, in the opinion of the College, disabilities which would impair his service as a teacher.

Early Decision

Consideration for Early Decision for fall entrance will be given those candidates who meet prescribed requirements in terms of secondary school achievement and junior year SAT scores. Those offered admission through Early Decision will be required to submit scores from a senior year examination of the SAT. Applicants who qualify for Early Decision will be notified approximately September 25.

Summer-January Academic Year

A limited number of students are offered admission each year beginning with the summer session. Students entering this program are assured that they may continue their studies in January, rather than in September, if they attain a satisfactory cumulative point average.

Students admitted for the Summer-January academic year attain sophomore standing by the end of the second semester, along with those students matriculated in the Fall, and continue on a regular enrollment basis for the remainder of their college program. APPLICANTS TO THE COLLEGE MAY NOT APPLY FOR CONSIDERATION FOR THE SUMMER-JANUARY ACADEMIC YEAR UNDER ANY CIRCUMSTANCES. OFFERS ARE MADE ONLY UPON THE INITIATIVE AND DISCRETION OF THE COLLEGE.

Selected students who have the potential for success and do not meet all the specific admission requirements are occasionally admitted to the College. Such admissions are made upon the initiative of the College.

Admission Procedures (Transfers)

1. An applicant for transfer to Mansfield State College must submit all credentials required for the admission of a freshman, with the exception of SAT score results.
2. The applicant must also send official transcript(s) from the college(s) previously attended. Transcripts and admissions data should be sent to the Director of Admissions before April 1 for the fall semester, or before October 1 for the spring semester.
3. Transfer applicants for the fall semester are notified as early as December 1 prior to the desired enrollment date.
4. The College recommends that a transfer student complete four semesters of satisfactory work prior to matriculating at Mansfield State College. Those intending to transfer into the art, music or home economic departments should consider transfer after completing two semesters of work.
5. If at the time an applicant is approved for transfer to Mansfield State College he is enrolled as a student at another institution, it will be understood that such admission has been granted on a provisional basis only. The student must receive honorable academic and social dismissal before admission will be finalized. Application should be submitted not later than the fourth semester so that admission may be granted for the fifth semester.

Credit will be given for acceptable courses pursued in accredited college institutions only if the grade is one grade above the lowest passing grade. Courses taken by correspondence are not acceptable. Mansfield State College accepts undergraduate credit transferred from approved non-accredited colleges. This credit is subject to validation by one year's successful work after transfer and may then be counted toward undergraduate degree requirements at Mansfield State College.

No student may be graduated and receive a degree from this college without a minimum residence of one year. A minimum of thirty-two semester hours of work earned on campus will meet the requirement for one year residence.

Degree candidates who wish to pursue any part of the program of studies for a degree at another institution will be required to secure prior approval from the Office of Academic Affairs at Mansfield.

Students admitted by special arrangement may complete 36 semester hours of approved work at Mansfield State College prior to formal admission to a degree program. In order to obtain degree credit for such pre-admission courses, a minimum grade of "C" must be obtained.

Registration Requirements For New Students

The College requires each entering student to present evidence of having taken the following within twelve months prior to the initial registration date:

1. tetanus toxoid immunization
2. negative tuberculin test and/or negative chest X-ray.

This evidence may be obtained from a physician and must be submitted with the medical report form required after the student has been offered admission.

Readmission of Former Students

All former students excepting those in continuing education who have not been in regular attendance during the previous semester must apply for readmission to the College.

An applicant for readmission should complete the form on the last page of this bulletin and return it with the ten dollar non-refundable re-evaluation fee by May 1 for the fall semester or by November 15 for the spring semester. A statement concerning the status of the applicant since withdrawal from the College including such information as employment, college course work completed, military service, etc. should accompany the application. A student readmitted with a Q.P.A. below 2.0 must attain a Q.P.A. of 2.0 by the end of his first semester after readmission.

Certification

Applicants desiring certification by Mansfield State College (e.g. B.A. in Biology degree holder seeking certification in Secondary-Biology; B.S. Sec. Ed. degree holder seeking added certification in Elementary Education) must complete or submit the following if they are not a Mansfield State College graduate:

1. application form found on the back page of this bulletin together with the ten-dollar application fee. (Please note that certification candidates do not complete the section of the application form requesting information concerning high school attendance).
2. personnel form provided by the College.
3. official transcript(s) of all college work completed.

IF OFFERED ADMISSION, THE APPLICANT WILL BE REQUIRED TO SUBMIT A PHYSICAL EXAMINATION REPORT ON THE FORM PROVIDED BY THE COLLEGE.

M.S.C. alumni desiring certification by Mansfield State College must complete the application form found on the last page of this bulletin and return it to the Director of Admissions together with the ten-dollar fee.

Special Students

Special students are non-matriculated students who fall into any of the following categories:

1. Continuing Education — In-service teachers working toward permanent certification or courses taken for personal enrichment.
2. High school honor students — high school students in the upper quarter of the academic section who have recommendation from the principal or guidance counselor to take advanced work for college credit.
3. Undergraduate college students — students taking courses at Mansfield State College for transfer to another college.

Special students are exempt from the academic standards required of matriculated students; however, they must maintain a satisfactory performance level to continue, and a minimum 2.0 quality point average to matriculate.

Selective Service Deferments

A student seeking deferment must complete an SS 109A form, which will be submitted to the student's local Selective Service Board by the Office of Academic Affairs. All male students file an SS data processing card at registration for identification purposes. In addition they must submit SS 104 forms themselves to local boards. These forms are available from the Office of the Assistant Dean of Students.

Withdrawal from College

Students wishing to withdraw must notify the Vice-President for Student Affairs who provides the student with a withdrawal form, which, when completed, clears the student for formal withdrawal.

Withdrawal without proper notification and approval may prejudice a student's record and his chance for future readmission. The College reserves the right to record "F" grades for such courses not completed during the semester in which the student has improperly withdrawn.

Academic Policies

SCHOLASTIC STANDARDS AND REQUIREMENTS

Academic Counsel

Students are urged to make the fullest use possible of the academic counselling available to them through their respective advisors, departmental chairmen, instructors and deans. Faculty are expected to post and keep regular office hours for this purpose.

The student should choose his major field of study with care, and a choice should be made under the guidance of faculty personnel. Current information regarding the various fields of study offered at M.S.C. may be obtained from the Assistant to the Vice-President for Academic Affairs or divisional deans.

Marking and Point System

Mansfield State College employs the 4-point system in evaluating academic performance:

Grade	Interpretation	Quality Points
A	Excellent	4
B	Above Average	3
C	Good College Work	2
D	Passing	1
E	Failure	0
I	Incomplete	0

Instructors may correlate percentage scores with letter grades. For such correlations the following list of equivalents is presented:

90 — 100 = A
80 — 89 = B
70 — 79 = C
60 — 69 = D
0 — 59 = F

The academic standing of each student in every subject is reported at the close of the semester.

The student's quality point average (Q.P.A.) is determined by dividing the total number of quality points earned by the total number of semester hours of work attempted. It should be noted that semester hours and credit hours are one and the same. The Q.P.A. is the index by which a student's academic standing is judged.

An "F" grade in a required course must be cleared by repeating the course. It is not to the student's advantage, however, to repeat a "D" grade.

An "I" (Incomplete) grade is used to denote unfinished work because of serious mitigating circumstances beyond the student's control. The student is responsible for the removal of an "I" grade within a period of three weeks following the semester in which the "I" grade was given except in cases where further mitigating situations prevail. It is expected that "I" grades given at the end of the spring semester be made up during the first three weeks of summer school.

Reasons for granting "I" grades must be cleared through the Office of Academic Affairs. If the "I" grade is not cleared for reasons of mitigating circumstances, the Registrar shall record a final grade of "F".

In addition to letter grades, the following designations (none of which is figured in the Q.P.A.) are used in situations warranting them:

S—Satisfactory
U—Unsatisfactory
EX—Credit by examination
WP—Withdrawal passing from the course after the drop-add period with the approval of the instructor and/or of the Office of Academic Affairs.
WF—Withdrawal failing from the course after the drop-add period with the approval of the instructor and/or the Office of Academic Affairs.
AUD—Audited
PF—Pass-Fail

Continuance in College

To remain in satisfactory standing a student must maintain a cumulative point average of 2.0 or better. A student whose quality point average (Q.P.A.) falls below 2.0 will automatically be placed on academic probation. Except for the grade report issued at the close of each semester reflecting the student's Q.P.A. the student will not receive special notification that he has been placed on academic probation. Should a student receive low grades at the end of any grading period, it is his responsibility to see his instructors, from whom low grades were received, and his advisor in order to take full advantage of the college advising system.

Students who entered M.S.C. prior to September 1969 are permitted continued matriculation governed by credits earned and the corresponding minimum Q.P.A. as required by the following outline:

0-18 credits earned	1.40 or better to continue
19-31 credits earned	1.70 or better to continue
32-47 credits earned	1.80 or better to continue
48-63 credits earned	1.90 or better to continue
64—beyond	2.00 or better to continue

Any student whose quality point average remains below the required Q.P.A. as outlined above will be dismissed from the College.

Students entering Mansfield State College in September, 1969 or thereafter are subject to the scholastic requirements of the so-called "new policy" for academic continuance as follows:

A freshman student (0-31 earned semester hours), who does not attain a 2.0 quality point average (Q.P.A.) at the close of his first semester (12-18 semester hours attempted) will automatically be placed on academic probation. If at the end of his second semester the student has not removed himself from academic probation he will be placed on academic probation for a third semester. At the end of this third semester if his Q.P.A. is not 2.0 or more, the student will be dismissed from college.

Students transferring to Mansfield State College with freshman status (0-31 semester hours) will be accorded the same consideration as the regular Mansfield State College freshman. A transfer student with 32 semester hours of transferable work who does not achieve a 2.0 Q.P.A. at the end of his first semester will automatically be on probation for one semester. If at the end of his second semester the student has failed to achieve a 2.0 Q.P.A. he will be dismissed from the College.

Any student with a Q.P.A. of .99 or below at the close of a semester will be dismissed from the College.

If a student, after completing two or more semesters of academic work, attains less than a 2.0 Q.P.A. he will be placed on academic probation for one semester. If at the end of this semester on academic probation his Q.P.A. is still below a 2.0, he will be dismissed from the College.

A one-year interval must elapse before a student who has been dismissed for academic deficiency may be readmitted to the College. Any student twice dismissed for academic reasons automatically terminates his association with Mansfield State College.

Academic Standard's Review Board

Students who have not achieved the minimum required grade point average to permit them continued matriculation are subject to dismissal from the College. The academic standard to be followed in the case of each student will be that academic standard's policy which was in effect at the time of the student's initial matriculation or readmission.

Following dismissal notification a student, upon his own initiative, has recourse to the Academic Standard's Review Board if in his opinion there would be sufficient reasons upon which to appeal his dismissal. Should the student desire a review of his case, he should state this to the administrative officer informing him of his dismissal.

The Semester

From 12 to 18 semester hours of work attempted is defined as a "semester." The student must carry at least 12 semester hours to be considered a full-time student. Any student desiring to carry more than 18 semester hours must obtain permission from his department chairman and have a 2.60 Q.P.A. for carrying 19 semester hours or a 3.00 Q.P.A. for carrying 20 semester hours.

Students carrying less than 12 semester hours are not eligible to live in campus dormitories without special permission of the Vice-President for Student Affairs.

Class Standing and Upper-Divisional Acceptance

Class standing is determined by the total number of semester hours earned including acceptable credits transferred from other accredited colleges.

Lower-Division (General Education)

Freshman ____ 0-31 semester hours of earned credit

Sophomore ____ 32-63 semester hours of earned credit

Upper-Division (Liberal Arts or Professional Studies)

Junior ____ 64-95 semester hours of earned credit

Senior ____ 96 semester hours of earned credit

Students having achieved junior class standing and at least a 2.0 quality point average may make formal application for admittance to Upper Division.

The student with 60 semester hours of earned credit while technically housed in the Upper Division is expected to make formal application for acceptance into his division during his fourth semester.

Approved specific requirements for acceptance into the Upper Division are stipulated by the various academic departments. Details regarding upper-divisional acceptance may be obtained from departmental chairmen, the Dean of Liberal Arts or the Dean of Professional Studies.

Dean's List and Honors

The Dean's List issued after the close of each semester contains the names of those students who have earned an average of 3.50 or higher for the semester based on at least 12 semester hours of earned credit.

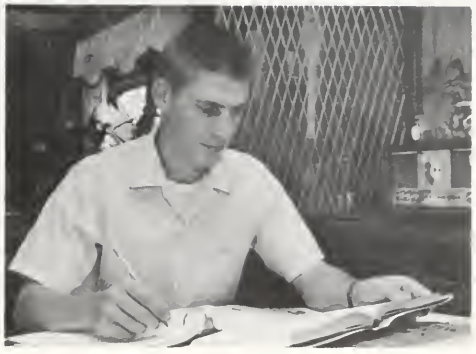
Superior scholastic achievement is recognized by means of the college honor roll. Such recognition becomes a permanent part of every graduating senior's record, with designations based upon cumulative point averages as indicated:

Honors	3.35 to 3.64
High Honors	3.65 to 3.94
Highest Honors	3.95 to 4.00

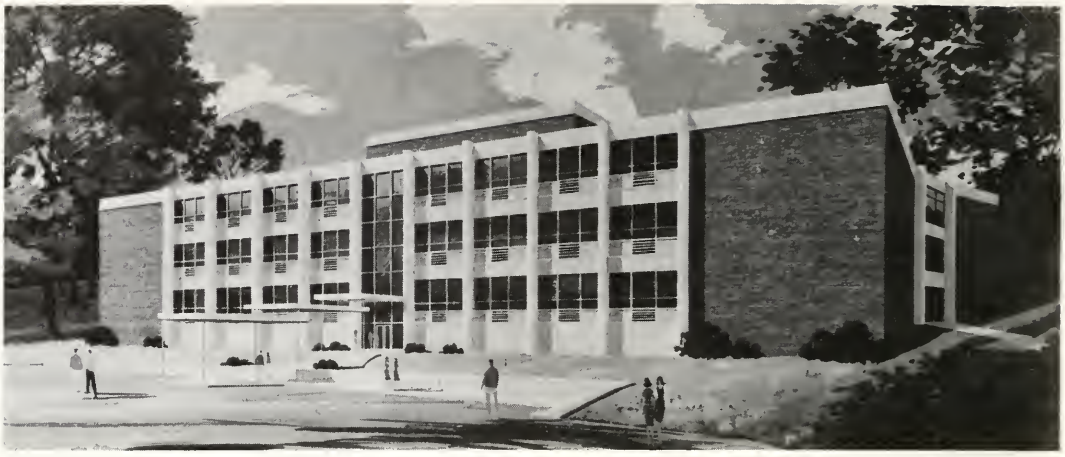
Honors Program

Through the honors program a student at Mansfield with an outstanding academic record is given an opportunity to pursue advanced individual study and research in his major course area, and to extend the scope of his work beyond the limits of a parallel course.

1. In order to be considered for honors work, a student must have attained an over-all scholastic average of at least 2.8.
2. A petition for honors work must be submitted in writing by the student to the chairman of the major department in which he is enrolled. Such petition must be received by the chairman during the semester preceding the period in which the student plans to pursue honors work. The petition forms may be secured from the Office of Academic Affairs.
3. Students petitioning for honors courses will be screened for approval by the department chairman on the following points:
   a. Over-all scholastic accomplishment,
   b. Effectiveness in written and oral expression,
   c. Ability to perform independent study and research under close supervision.
4. Honors work will not constitute more than three semester hours of course credit per semester, and a total not exceeding twelve semester hours of credit toward the major field.
5. Honors work must meet high standards of scholarship. At least a "B" grade must be earned under rigorous standards for such work to receive credit as an honors course.
6. After an adviser from the student's major department has been selected to guide his honors program, they will together organize the work of the student's junior and senior years into a unified program.



7. Honors work will not take the place of regularly offered college course work, but will consist of work in phases of study not usually offered in the student's major field.
8. A student may be dropped from the honors program for the following reasons:
   a. Failure to achieve a Quality Point Average of 2.5 for course work taken in the semester during which honors are taken,
   b. Failure to produce scholarly work (as defined in 5, above),
   c. Special circumstances (e.g., poor health) by mutual agreement of student and adviser.
9. Students withdrawing from the honors program after the completion of more than one semester of work will receive credit for work already accomplished, as determined jointly by the honors adviser, the department chairman and the Dean of Academic Affairs.
10. On the student's record, honors courses will be listed as Honors I, Honors II, Honors III, and Honors IV, with a further designation appropriate to the nature of the study pursued: e.g., Honors I (Naturalism in the Novels of Frank Norris) or Honors II (Problems in Economic Geography).



Change of Major or Division

Requests to change major or division must be initiated in the Office of Academic Affairs. Such requests must be initiated well in advance of the next term in order that the application may be acted upon before the new term begins. Specific forms will be provided.

Maintenance of Matriculation

Students, who are teachers-in-service, working toward completion of degree or certification requirements will remain in "continued matriculation" status provided that a minimum of six semester hours of acceptable course work is completed each year. These courses may be taken in residence or as transfer courses.

Credit by Examination

A student in good academic standing may request permission to take a comprehensive examination in a particular course offered by the College. All requests for credit by examination must be made to the department chairman involved and reviewed by the Vice-President for Academic Affairs. A student must present evidence that he is sufficiently competent to warrant the examination. If the request is approved, the student will register for the course by the normal procedure used for all courses. The semester hours of credit earned by examination will apply toward graduation requirements.

Advanced Placement Program

Courses taken before admission to college under the Advanced Placement Program conducted by the Educational Testing Service, Princeton, New Jersey, may be applied toward graduation requirements by students who are admitted to college to pursue one or more semester's work. To secure such credit the student must make formal application to the Office of Academic Affairs. The course must satisfy college requirements and the score on the Educational Testing examination must be satisfactory to college officials. Not more than twelve credits earned by such examination may be applied toward graduation requirements.

Credit for Military Service

Veterans with a minimum of eighteen months of honorable service in the United States Army, Navy, Marine Corps, and Air Force, may apply for credit in HPE 100 (Health) and HPS 101-103 (Physical Education).

Absence Policy

Regular and punctual class attendance is expected of all students.

Student evaluation expressed as grades will be determined on the basis of academic performance. Professors will outline their criteria for academic evaluation prior to the end of the first week of class.

Bona fide absences because of illness, serious mitigating circumstances, or absences because of official College representation approved by the Office of the Vice-President for Student Affairs shall be accepted by all faculty.

Requests for absence from the College must be initiated in the Office of the Vice-President for Student Affairs and official notification for excused absences will be issued to the faculty by this office.

The student is responsible directly to his instructors for class and laboratory attendance; absences must be made up to the satisfaction of the instructor.

Academic Integrity

Faculty members are expected to take reasonable precautions to reduce to a minimum opportunities for dishonesty in academic work. Faculty should instruct the students as to the meaning of plagiarism so as to aid in solving the plagiarism problem. Where possible, the faculty member is expected to assess offenses of academic dishonesty in the interests of acceptable high standards. This is a matter primarily between the student and instructor. Requests for special assistance may be made to the Office of Academic Affairs.

Withdrawal From or Addition of a Course

To drop or add a course during the drop-add period, the student secures the appropriate form from the Data Processing Center or faculty, has the form signed by the instructor of the course and by his advisor, returning the form to the Data Processing Center. No notation of a course dropped will appear on the student's permanent record if he withdraws during the designated drop-add period.

Withdrawal from a course after the designated drop-add period is permitted only for justifiable reasons, and with the approval of the Assistant to the Vice-President for Academic Affairs and/or instructor of the course and the student's departmental chairman. When such approval is given the student receives either a WP or WF depending on his status at the time of his withdrawal.

A student will receive an "F" in any course from which he withdraws without approval.

Petition

Whenever any rule or regulation of the College causes an unfair hardship, the student is entitled to petition for an exception by filing a petition form obtainable from his appropriate divisional head. Advisors are expected to assist in the preparation of a petition. Completed forms should have the necessary signatures prior to submission to the Office of Academic Affairs.

General Education Program

Philosophy of the Program

In a day and age of much specialization, no well-educated person can function without a broad and substantial background. Such a background cannot be immediately achieved by embarking upon a road of narrow specialization. An undergraduate education is not unlike a pyramid with a broad base of knowledge in several fields or a "General Education" culminating in the apex of the pyramid wherein a specialization is superimposed. Whether one goes into education, law, medicine, government, management, or a whole host of alternate career goals, all presuppose a broad, basic general education.

General Education Program (Lower-Division)

During the first two years at M.S.C. students pursue course work in General Education. After satisfaction of the General Education requirements the student embarks upon upper-divisional study in his major field. Working closely with his advisor during the first two years of study, a foundation of course work is laid which prepares the student for meeting General Education requirements and ultimately for meeting the specific requirements of a major field.

The General Education Program offers alternative course selections in order to provide the student with courses of study to meet his individual needs, intents and the basic undergirding requirements for his major. The **student bears the responsibility for meeting any specific group requirements as demanded for his eventual major.** Faculty advisors are available and willing to assist students in their selection of course work.

While the incoming student may or may not have a future area of study in mind at the time of entrance, he will find that the General Education Program is structured broadly enough to cover most alternative possibilities. Should a student enter the College with a definite major in mind, he would be assigned a departmental advisor in the department of his choice.

General Education Requirements

The normal freshman program includes 30-34 credit hours of course work in addition to physical education. All students are required (unless exempted) to complete English 101, English 102, speech 101, health, and physical education.

Group Requirements

During the first two years at Mansfield State College the student should plan his academic work in such a way that he meets: (1) the so-called "core requirements" (as listed above), (2) any specific "group requirements" as required for his eventual major, and (3) any remaining General Education requirements in the "Groups."

The general pattern to be followed for General Education may be most easily summarized in the following way — the student elects **four courses or 12 hours in each of three different groups and two courses in a fourth group.** For courses available in General Education please see the "Alternative Courses for General Education" listed below.

Before selecting courses in the "Groups" the student should carefully read the requirements or recommendations for his expected major and degree. It is decidedly to the advantage of the student to complete all General Education requirements during the first two years, however, a student may have to carry uncompleted General Education requirements in the junior year. This may be especially true in certain teacher education programs such as art, home economics and music. All General Education requirements must be met prior to graduation.

If a student elects a foreign language, basic competency is the requirement. This may be translated as two years (four courses) of beginning and intermediate courses or two courses of intermediate or more advanced courses. Should a student elect the latter, Group II may be completed by six credit hours of language.

If a student elects mathematics (Group IV), this Group will have been considered completed by six credit hours of more advanced mathematics courses beginning with calculus.

Alternative Courses for General Education Requirements

(English 101, English 102, speech 101, health, and physical education do not fulfill "group" requirements.)

Group I	Humanities	Art — 101, 201, 210, 231 thru 281 English — 100, 111, 112, 121, 222 Philosophy — 201 thru 280 Speech and Theatre — 110, 220, 201 thru 204, 210, 212
Group II	Languages	French — 101 thru 202 German — 101 thru 202 Spanish — 101 thru 202
Group III	Sciences	Biology — 101 thru 275 Chemistry — 101 thru 212 Geology — 121 thru 251 Physics — 105 thru 212
Group IV	Mathematics	Math — 101 thru 250 CSci — 305, 320
Group V	Social Sciences	Anthropology — 201, 202 Economics — 201 thru 204 Geography — 102 thru 282 History — 101 thru 287 Political Science — 101 thru 230 Psychology — 100 thru 260 Sociology — 201 thru 310

Please note that 201 and 202 of one language satisfy the Group II requirements. Math 112 and 113 satisfy the Group IV requirement. The total number of credits to be earned in General Education is variable. It is possible to satisfy General Education requirements with as few as 44 credit hours, however, only those students with 60 earned hours or more and who have been accepted into a department will be considered upper-divisional students.

Entering students should understand that most courses may be waived or completed for credit by department examination. If the former is anticipated and consummated, Group requirements may be bridged into more advanced work at the discretion of the department.

While it may be possible under some circumstances to defer some group requirements past the freshman and sophomore years, the requirements of most majors make it mandatory that group requirements be completed as soon as possible, since the student, in consultation with his advisor, must select the prerequisite and requisite courses to support his intended major.

During the fourth semester a student will apply to a department for upper-divisional acceptance as a "major" in that department. It will be the student's responsibility to initiate this process and acceptance will be the department's prerogative.

Division of Professional Studies

More than one hundred years ago Mansfield was designated as a school to prepare teachers. Today, it has added new responsibilities as a multipurpose college. It offers to prospective teachers diversified and well-developed degree programs leading to certification in Art Education, Elementary Education, Home Economics Education, Library Education, Music Education, Public School Nursing, Secondary Education (academic areas) and Special Education for the Mentally Retarded.

A teacher education program consists of three elements which are integrated so that the student achieves a comprehensive preparation for the art of teaching. These elements are General Education, professional education, and specialization in the subject matter of the student's field.

Students in accredited community and junior colleges who wish to become teachers are welcome to apply to the college for admission to a teacher education program of their choice. Those students who entertain such hopes are urged to complete General Education requirements prior to arrival at Mansfield and to reserve the professional course work for completion at Mansfield.

Mansfield also offers graduate studies leading to the Masters Degree in Elementary Education, Music Education, English, History and Mathematics.

Curricula

Mansfield State College offers the following undergraduate curricula:

Teacher Education
Art Education
Elementary Education
Home Economics Education
Library Science
Music Education
Public School Nursing
Secondary Education (comprising majors in the academic subjects taught in secondary schools)
Special Education for the Mentally Retarded

Certification

In accordance with the Public School Code of 1949 Sections 1109, 1202 and 1209 every professional employee certificated to serve in the schools of the Commonwealth of Pennsylvania shall (1) be of good moral character, (2) show a physician's certificate that applicant is neither mentally or physically disqualified from successful performance of the duties of a teacher, (3) be at least 18 years of age, (4) be a citizen of the United States. (Citizenship may be waived in the case of a resident foreign national holding an immigrant visa who declares, in writing, to the Secretary of Education, his intention of becoming a citizen of the United States.)

Four basic types of certificates are issued: Instructional, Educational Specialist, Supervisory, Administrative. The Instructional and Educational Specialist Certificates are issued for three levels of qualifications, namely I, II, III. Level I certificates indicate the initial or provisional type certificate, and levels II and III indicate certificates of a permanent nature. Teachers receive Instructional Certificates. Details can be obtained by consulting State Certification Regulations.

An applicant for a certificate shall have completed, in addition to all legal requirements, a program of teacher education approved by the Secretary of Education, and shall have the recommendation of the preparing institution. Preparation in General Education, professional education, and specialization studies shall be in accordance with standards established by the Secretary of Education.

Instructional I Certification (Provisional Certification)

A student successfully completing a curriculum in teacher education qualifies upon endorsement by a designated college official for an Instructional I Certificate, which is issued upon application to the Department of Education, Harrisburg, Pa. This certificate is valid for a period of three years from the date of issuance and may be renewed for an additional three-year period upon the completion of twelve semester hours of post-baccalaureate or graduate study at a regionally accredited institution.

In the Elementary Field this certificate qualifies the holder to teach in the elementary schools of Pennsylvania.

In the Secondary Field the certificate entitles the holder to teach subject areas specified thereon in the secondary schools of Pennsylvania, grades seven and above.

In Music Education the certificate qualifies the holder to teach music in the elementary and secondary schools of Pennsylvania.

In Home Economics Education the certificate is valid for the teaching of home economics in all grades of the public schools of Pennsylvania.

In Art Education the certificate is valid to teach art in all the grades of the public schools of Pennsylvania.

In Library Education the certificate qualifies the holder as a school librarian for all grades of the public schools of Pennsylvania.

In Special Education for the Mentally Retarded the certificate qualifies the holder to teach the mentally retarded in all the grades of the public schools of Pennsylvania.

Permanent Certification

Permanent Certificates (Instructional II & III) require evidence of three and/or five years of successful teaching experience on an Instructional I Certificate, completion of twenty-four hours of post-baccalaureate or graduate study or a Masters Degree at a regionally accredited institution, and recommendation of the respective superintendent of schools. A detailed explanation of requirements may be noted by examination of the certification regulations of the State Board of Education of Pennsylvania.

Extension of Instructional Certificates

An instructional certificate can be extended to include another field upon successful completion of a program of studies in the new field as prescribed by the college having such an approved program for certification. Endorsement by the proper college official of the application should result in the added certification.

Programs for Teachers In Service

Teaching Experience

Entrance and college credits based on teaching experience are not granted by the College. Credit will not be granted for student teaching other than that done under the direction and/or approval of the College.

Extension Courses

Extension courses provided by duly accredited colleges and universities will be accepted in teacher education programs from in-service teachers for no more than 25 per cent of the number of credits required for a degree. Detailed information on acceptable transfer credit may be obtained from the academic section of this catalog or from the Dean of Professional Studies.

Correspondence Courses

The Pennsylvania Department of Education prohibits the offering of correspondence courses by State Colleges and also the acceptance of such courses for credit.

Maximum Semester Credit

Not more than six hours of credit may be taken in any one semester by a regularly employed full-time teacher. Candidates for a degree or certification should have all courses approved by their advisor.

Student Teaching

Student teaching is considered to be one of the most important phases of the professional preparation of a teacher. At Mansfield this experience includes a full-time assignment for one semester and takes place in the student's senior year. Student teaching is conducted under the guidance of master teachers in elementary and secondary schools of the area and college field supervisors. Observing desirable professional attributes, various legal concerns, pupil records, extra-class responsibilities, classroom techniques, as well as community relationships, are included in this experience. All student teachers follow a calendar established by the College for student teaching.

Assignments to student teaching are made by the Director of Student Teaching upon the recommendation of the Departmental Chairman and approval of the Dean of Professional Studies. No student is eligible for a final assignment until he has reached senior level status, has achieved an overall 2.00 quality point average, has obtained a 2.0 average in his area of specialization, and has completed the normal prerequisites established by his college department.

Credit for student teaching will not be granted for prior teaching experience in the normal degree programs. Students should consult their departmental chairman or the Director of Student Teaching concerning the questions related to student teaching.

Liberal Arts and Sciences

In a day and age when amazingly swift communication is available, when the marvels of science are unveiled, when the knowledge of man has surpassed that of all the centuries and that man has arrived at a point in our universe where he is the center of creativity, we turn to the fostering, nourishing and conserving of that knowledge which will bridge the past with the future.

Liberal arts is the basic means in which our society today conserves and transmits the knowledge of the past to our current and future generations. In so doing, an educated life is built on an accumulation of knowledge that forestalls the need to rediscover that which is now accepted and allows the mind of man to go beyond that to newer and larger heights. Further, it allows the mind the needed flexibility to face and change the future. Liberal arts deals with the world of ideas, with the open and honest understanding that rapid change is now a normal part of our lives and that one must be geared to change or our society cannot survive.

In an age of unsurpassed military hardware and vast arsenals, the future of mankind will not be preserved upon military might alone, but much more profoundly so by the ideas that gestate from the mind of man. Our science and technology have outrun our capabilities to harness them in sometimes less than frightening ways. Our society needs now, as never before, educated minds that can reach out with new ideas to close the gap between technology and humanity. Liberal arts through thought-provoking, rather than technically-oriented education, leads one to ponder the abstract, the innate and the world of the mind as a force in society.

Liberal arts is also a force in preserving human freedom. No society can rise or endure without an educated body of citizens. In linking the past to the present, we often call upon history for scholarly support and much of our philosophy concerning the role of the citizen in our society can and may be predicated upon the ideals of the ancient oath of the Athenian citizen:

> "We will ever strive for the ideals and sacred things of the city, both alone and with many; we will increasingly seek to quicken the sense of public duty we will revere and obey the city's laws; we will transmit this city not only less, but greater, better and more beautiful than it was transmitted to us."

Program of Studies Leading to the Bachelor of Arts Degree

The program of studies leading to a Bachelor of Arts degree consists of: (1) completing those General Education courses in the Lower Division; (2) complete a **maximum** of 36 Upper Division hours (courses numbered 300-400) in a major area of a department; (3) fill the balance of the necessary 128 hours required for graduation with elective courses; (4) acquire a minimum acceptable grade average to be eligible for graduation; (5) must have completed the last two semesters (or thirty hours) in liberal arts prior to graduation; (6) must have paid or satisfactorily adjusted all college fees; and (7) must be duly recommended by the Faculty, the Administration and the Board of Trustees.

Major Areas of Study

Within the Division of liberal arts may be found the eleven departments of: Biological Sciences, Chemistry, English, Geography, History, Languages, Mathematics, Political Science, Physics, Psychology and Speech and Theatre. It is anticipated that departments and "majors" will be forthcoming shortly in Philosophy, Sociology-Anthropology and Economics.

In anticipation of "majoring" in a department beginning with the junior year, a student should seek counsel and guidance from that department at the earliest possible date. During the fourth semester a student should complete a "major card" for the department into which he is accepted for study. At that time, responsibility for completing all requirements — including all incomplete General Education requirements — will rest with the department consonant with overall coordination by the office of the Dean.

What is liberal arts?

Liberal arts may be said to be the unifying force on campus that undergirds all further education. On the other hand, it is an entity in its own right that fosters and creates its own and unique disciplines. Without clarity of thought and precision in writing and speaking, a student cannot range very far in a world of sophisticated communications and understanding. In addition, bodies of knowledge gained over the centuries, are transmitted through the humanities, natural sciences and the social sciences. These bodies of knowledge are humanizing influences on the mind of man. They allow one to reason thoroughly and work through a world of ideas by integrating knowledge from various fields and disciplines.

Liberal arts is preparation for life through an enhancing of the abilities of man to prepare for the future. Programs in pre-medicine, pre-law, pre-dentistry, pre-veterinary science, background for business and management, for teaching, the professions and a host of vocational possibilities spring from the well of liberal arts.

Many liberal arts graduates begin careers, immediately following graduation, in commerce, industry and banking, in the armed services or political life, or in countless areas where a broad educational background is necessary. As a national average, however, more than one-third of recent college graduates in liberal arts areas attend professional and graduate schools within two years. (Currently one-fourth of the liberal arts graduates at Mansfield go on to graduate schools with the proportion growing.) They continue in medicine, law and dentistry; in engineering and education; and in graduate schools as a preparation for careers in research and teaching. The number of students entering professional and graduate schools is increasing each year.

Liberal Arts and the Professional Schools

Students planning courses of study leading to the professional fields of medicine, law or dentistry should consult with the Dean of Liberal Arts as soon as possible in planning their academic program.

In general, professional schools expect applicants to present the bachelor's degree. However, many professional schools admit a few students of superior ability and promise after the completion of three years of college work. Liberal arts offers these students a plan of study which will enable them to complete courses in two colleges simultaneously (Liberal Arts and Medical, Dental, or Law Schools) and thus shorten their academic career by a year, saving both time and money.

Medical and Dental Schools

Schools of medicine vary in their specific admission requirements, as do schools of dentistry. The student should become familiar with the requirements of the school he wants to enter and see that they are included in his program. Requirements for admission to most medical schools, however, follow closely those outlined by the American Medical Association of American Medical Colleges.

The student's attention is directed to the Professional Option in Medicine and Dentistry described following.

Professional Option in Medicine and Dentistry

Liberal arts offers the Professional Option for those students who have been accepted by an accredited school of medicine or dentistry upon completion of three years of undergraduate work in liberal arts at Mansfield. The plan permits such students to take their senior year in the professional school by which they have been accepted, meanwhile retaining their connection with the College.

Liberal arts grants the appropriate bachelor's degree to students in the Professional Option who have satisfied the following requirements: (1) successful completion of three years, or 95 hours, in liberal arts, (2) successful completion of the first year in the professional school, (3) recommendation by the college and by the professional school that the degree be granted.

Schools of medicine and of dentistry accept only a limited number of applicants with three years of preparation.

Exercising Professional Option for Medical or Dental School

The following conditions must have been met before a student may exercise the Professional Option:

1. Ninety-five hours, exclusive of physical education, must be completed in liberal arts and sciences.
2. The average for all work taken in liberal arts must be B or better (cumulative 3.0).
3. The basic area requirements included under General Education as prescribed for the bachelor's degree must have been fulfilled.
4. Fifteen credit hours toward the upper division major must have been completed in the junior year.

Students who transfer into liberal arts may exercise Professional Option under the following conditions: (1) at least 63 hours in residence, exclusive of physical education, must have been completed, (2) these hours must include the basic requirements prescribed for the bachelor's degree.

Students who wish to exercise the Professional Option must give formal written notice of their intention to the Dean of Liberal Arts as soon as they have been accepted by a school of medicine or dentistry.

The availability of the Professional Option plan to qualified students in liberal arts does not imply assurance of admission to a school of medicine or dentistry.

Veterinary Medicine, Commonwealth of Pennsylvania

A candidate for admission to study in veterinary medicine in the Commonwealth of Pennsylvania shall present evidence of having satisfactorily completed a minimum of two years of study in an approved college or university.

Minimum requirements for the two years of college study generally include: (1) six semester hours of English and three of basic speech, (2) eight semester hours of physics, including laboratory, (3) eight semester hours of biology or zoology, (4) eight hours of chemistry with laboratory. A balanced program including mathematics, social sciences and humanities (six semester hours each) is suggested.

Generally the foregoing requirements will cover most schools of Veterinary Science in the United States, but students should carefully review specific requirements for any particular professional school they have in mind.

"Professional Option" does not apply to Pre-Veterinary Medicine.

Law School

Requirements

A broad general education in liberal arts and sciences is considered better preparation for the study of law than particular specialized courses. Pre-law work should include social sciences (especially history, government and economics), humanities (especially philosophy and literature) and at least basic courses in physical and biological sciences, mathematics and in public speaking. Law schools vary in their specific admission requirements; the student therefore should become familiar with the requirements for the school to which he intends to seek admission and integrate those required subjects in his undergraduate program.

Preference in selection of students at Pennsylvania and other law schools is given, first, to applicants who have a Bachelor of Arts degree from a college or university which grants a degree approved by the Commonwealth of Pennsylvania; second, to students who have completed satisfactorily at least three years of undergraduate work in an approved school with a program of courses satisfactory to the faculty of the accepting law school.

Combination Liberal Arts-Law Course

The Liberal-Arts Law course enables students to earn the Bachelor of Arts degree at Mansfield State College and the LL.B. or J.D. degree from an approved law school in 12 semesters, or six years, thereby saving a year in time and expenses over the traditional seven years of study.

Freshmen may qualify for the program by application to the Dean of Liberal Arts. Students who have achieved a 3.0 or B average may, upon formal written notice to the Dean of Liberal Arts and Sciences, be qualified for the course during their second or third year. The essential necessity, however, is to meet the requirements of quality and curriculum in the program before admission to law school.

Students who transfer to liberal arts and sciences and wish to qualify for the liberal arts-law courses must complete at least 63 credit hours in residence, exclusive of physical education, these hours to include such course work as is prescribed in the basic area General Education requirements for the Bachelor of Arts degree.

Students accepted in the liberal arts-law course receive the Bachelor of Arts degree at the end of four years, subject to the following conditions:

The General Education requirements for liberal arts and sciences must have been fulfilled, and 15 credit hours toward the major must have been acquired in the junior year, as well as at least 95 credit hours exclusive of physical education.

A cumulative average of 3.0 or B must have been maintained.

The first year of academic work in the accepting law school must have been completed with at least a C average and the course work must be acceptable to the faculty of Mansfield State College.

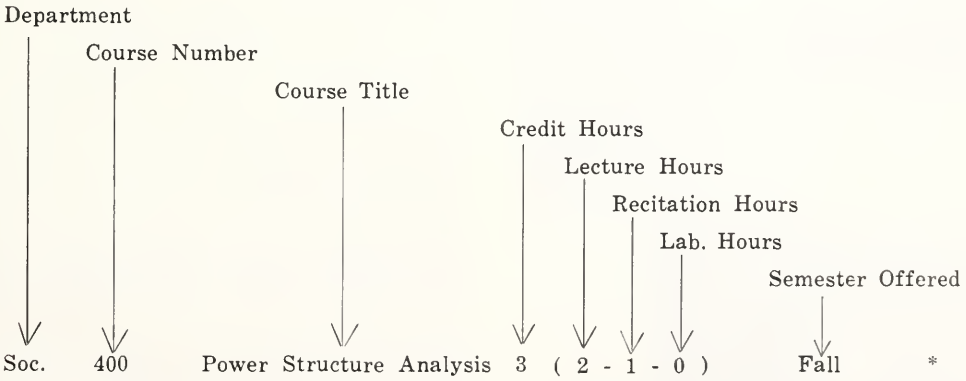
Items of Special Interest to Arts and Sciences Majors

Thirty-six hours rule: Not more than 36 hours of upper-division courses may be completed in a single department.

Fifteen-hour rule: Courses offered in another division of the College and not approved for liberal arts credit may be elected to the extent of 15 credit hours as electives, including professional education courses.

Thirty-hour rule: The thirty-hour rule requires that the last 30 credit hours of work for an A.B. degree shall be completed in liberal arts and sciences.

Explanation of Course Descriptions



The structures of social power and its relationship to decision-making and the solution of community problems. Prerequisites: Soc. 200 or permission of the instructor

Course description

Requirements which must be met by the student before being admitted to the course.

*Course offered irregularly, infrequently or when staff available.

Art

The Art Education Curriculum is offered through the Division of Professional Studies. Upon satisfactory completion, the degree of Bachelor of Science in Art Education is awarded, qualifying the graduate to teach art in the elementary and secondary schools. The curriculum in Art Education is structured to guide prospective teachers to meet the challenge of accomplishment and understanding in General Education, to develop their abilities by providing studio experiences in the areas of drawing, painting, sculpture, graphic arts, ceramics and applied design and to provide a rich background in aesthetics, theory and criticism. Courses in psychology and philosophy of art education, observation, participation and student teaching are the culminating areas of the total art education program.

Of the sixty hours required in General Education, the following courses should be taken in the freshman year: Art 102 Survey of Art, and Psych. 100 General Psychology. In the sophomore year, six credits each will be taken in the sciences, social sciences, and humanities.

In the areas of specialization of the thirty-nine required credits, the following three-credit-hour courses will be taken during the first two years: Art 201 Painting I, Art 210 Drawing I, Art 231 Graphics I, Art 241 Color and Design, Art 251 Jewelry I, Art 261 Water-base Media I, Art 271 Ceramics I, Art 281 Sculpture I and Art 295 Plastic and Tactile Crafts.

Twelve semester hours will be elected from the following two-credit-hour courses in the junior and senior years: Art 302-303 Painting II and III, Art 211 Drawing II, Art 332-333 Graphics II and III, Art 342 Advertising, Design & Lettering, Art 352 Jewelry II, Art 362 Waterbase Media II, Art 372-373 Ceramics II and III, Art 382-383 Sculpture II and III, Art 395 Stage Arts, Art 398 Interior Design, Art 403 Independent Study, 2 or 3 credits, Ed. 420 Photography, Art 345 Design Techniques 3 credits.

Art 325 History of Modern Art will be required in the junior year, and six hours of art history electives will be taken from the following: Art 320 Primitive Art, Art 321 Ancient and Medieval Art, Art 325 Art of the Renaissance, Art 326 Oriental Art, Art 327 History of Prints or Art 328 History of Architecture.

In the Professional Education area, Art 222 History and Philosophy of Education and Art Education will be required in the freshman year. Art 290 Art in Elementary Education will be taken in the sophomore year. During the junior year Art 292 Art in Secondary Education will be taken, as well as Ed. 230 Educational Psychology. These classes are the prerequisites for Art 294 Curriculum Development in Art Education taken either during the junior or senior year. Ed. 302 Audio-Visual Communication and Ed. 400 Student Teaching complete the Professional Education requirements.

Art is a specialized unit of study. It covers General Education, Art Education and Fine Arts, each of which is a specific area of study. Due to these component factors in the educational process, the junior college student is expected to meet the specialized needs of the department.

If his art experience is limited, the transfer student is expected to make up any required work. Such matters would be up to the judgment of the Chairman of the Art Department.

Candidates for admission to the Art curriculum (in addition to the general requirements set by the Office of Admissions) will be required to meet with the members of the Art Department staff for a personal interview. Please note that an applicant may be invited for the art interview AFTER the personnel form and high school record form provided by the College have been returned. A portfolio of art work that best represents the student's proficiency in art experiences in various materials and techniques will also be studied.

The student's efforts for the portfolio should be directed towards completing the following:

1. still life drawing in any media,
2. figure study; a composition containing two or more figures in one or more media,
3. two examples in the field of design relationships, color and lettering,
4. in addition to the above, a minimum of six pieces of work of the student's choice will be required.

All examples must be presented flat, matted, in sizes not to exceed 22″ x 28″. Copies from photographs of other artists will not be accepted. Photographs of sculptural work executed by the student will be acceptable.

Art 101 Introduction to Art 3 (3-0-0)
Fall and Spring

A study of representative works of art through the ages for both increased aesthetic perception and deepened awareness of universal human experience.

Art 102 Survey of Art 3 (2-1-0) Fall

An intercultural and interdisciplinary approach to the dominant movements and ideas as they evolved in the visual arts from the first evidence of western man's origin to the twentieth-century.

Art 201 Painting I 3 (1-0-5)
Fall and Spring

Introduction to the methods, techniques and approaches of the painter. An emphasis is placed on composition, application and involvement in creative self-expression. Stress is placed upon the understanding and use of the media for solving various problems of representation.

Art 210 Drawing I 3 (1-0-5)
Fall and Spring

Drawing is stressed to build those skills and attitudes for the remainder of the program. It is an introduction to the two and three-dimensional aspects of drawing. The course will stimulate creative thinking, develop a sensitivity to the art elements and sharpen impressions in the visual memory.

Art 222 History and Philosophy of Education and Art Education 3 (2-1-0) Spring

The purpose of this course is to acquaint the student with social, historical and philosophical development in education and art education specifically.

Art 231 Graphics I 3 (1-0-5)
Fall and Spring

An introduction to the print-making processes of linocut, woodcut, lithography, serigraphy, etching, intaglio and drypoint with emphasis on their use for creative expression.

Art 241 Color and Design 3 (1-1-4)
Fall

An introductory course in design for all art majors. Stress is placed on the creative use of color and basic elements of design emphasizing their function and relationships through discussion and assigned problems. Introduction to types of harmony, sequence and balance while applying methods of design and representation through the use of various media.

Art 251 Jewelry I 3 (1-0-5)
Fall and Spring

A study of three-dimensional design principles with emphasis on objects of personal adornment. Both precious and common materials will be used. Traditional techniques of jewelry making will be explored.

Art 261 Water Base Media I 3 (1-0-5)
Fall and Spring

An investigation into the waterbase media: transparent watercolor, gouache, acrylic polymer.

Art 271 Ceramics I 3 (1-0-5)
Fall and Spring

Study of hand and wheel methods of forming. Introduction to the principles of glaze formulation; kiln stacking and firing.

Art 281 Sculpture I 3 (1-0-5)
Spring and Fall

The exploration of three-dimensional design as related to sculpture. The structural nature of terra cotta, plaster, stone, wood is studied as well as casting technique.

Art 290 Art Education in Elementary Teaching 3 (1-1-3)
Fall and Spring

The initial course in the development of the theoretical and practical application of concepts in art education as they relate to the child in the elementary school; its programs and their implementation are emphasized.

Art 292 Art Education in Secondary School 3 (1-1-2) Fall and Spring

A practical methods course designed to provide the opportunity for the art major to experience a pre-student-teaching situation. The course is based on classroom problems that occur in an actual teaching situation.

Art 294 Curriculum Development in Art Education 3 (2-0-0) Fall and Spring

An investigation of the concepts, attitudes, and values of art theory and practice as related to curriculum; a study of classroom problems and procedures in various teaching situations.

Art 295 Plastic and Tactile Crafts 3 (1-1-4) Spring

The purpose of the course is to have the student become more receptive to the three-dimensional media and materials.

Art 300 Visual Studies in Aesthetic Experiences 3 (2-1-0) Fall and Spring

Philosophic theories of art, aesthetic experience, principles and criticism in the nature and comprehension of the character of art; the artist and relationship to life. To be taken during the junior or senior year only.

Art 302 Painting II 2 (1-0-3) Fall and Spring

A continuation of Art 201 with further emphasis on the development of technique, style and experimental media.

Art 303 Painting III 2 (1-0-3) Fall and Spring

Individual criticism is given and conferences are held with the student to encourage individual creative growth in painting.

Art 311 Drawing II 2 (1-0-3) Fall and Spring

This second course in drawing is an extension of the first with greater emphasis placed upon the student maturing in skill and expression.

Art 320 Primitive Art 3 (3-0-0) *

The study of prehistoric and primitive art from the Paleolithic Period: Africa, Mexico, Europe, the Americas, Asia, Australia and the South Seas.

Art 321 Ancient and Medieval Art 3 (3-0-0) Alternate Years

A comprehensive study of architecture, sculpture, painting and minor arts from the prehistoric through the Gothic period; emphasis on aesthetic values and historical implications, iconographic and symbolic significances.

Art 322 Art of the Renaissance 3 (3-0-0) Alternate Years

A comprehensive study of architecture, sculpture, painting in Italy, Flanders, Holland, Germany, England, France and Spain, with emphasis on the general characteristics of the Renaissance. Prerequisite: Art 101 or 102.

Art 325 History of Modern Art 3 (3-0-0) Fall and Spring

A comprehensive study of the development of modern art from nineteenth century neoclassicism through contemporary movements. Prerequisite: Art 101 or 102.

Art 326 Oriental Art 3 (3-0-0) *

A study of art in India, China and Japan, in the areas of painting, sculpture, architecture, pottery and the minor arts. Prerequisite: Art 101 or 102.

Art 327 History of Prints 3 (3-0-0) *

The study of the history of printmaking and the significant influences of the Eastern and Western cultures on the graphic processes. Prerequisite: Art 101 or 102.

Art 328 History of Architecture 3 (3-0-0) *

A study of architecture, styles and methods of construction, from the earliest civilization to the present. Prerequisite: Art 101 or 102.

Art 332 Graphics II 2 (1-0-3) Fall and Spring

Continuation of Art 231, Graphics I, with advanced problems in the various printmaking processes, linocut, woodcut, lithography, serigraphy, etching, intaglio and drypoint. Prerequisite: Art 231.

Art 333 Graphics III 2 (1-0-3)
Fall and Spring
Continuation of Art 332.
Prerequisite: Art 332.

Art 342 Advertising, Design and Lettering 3 (1-1-4) *
The course is an introduction to advertising. Comprehensive survey of basic principles and practices in advertising and their relation to our economy, society and system of mass communication. Historical, social and economic factors of the field. Psychological and creative factors involved in advertising; design, research, media and campaigns.

Art 343 Arts and Crafts in the Special Education Curriculum I 3 (1-1-2)
Fall and Spring
Creative work in a variety of activities with arts and crafts materials with particular emphasis on the needs of special education classes. Required of students concentrating in the area of special education.

Art 344 Arts and Crafts in the Special Education Curriculum II
3 (1-1-2) Fall and Spring
Continuation of Art 343.

Art 345 Design Techniques 3 (1-0-4)
Fall and Spring
The creative application of the principles and elements of design and color theory as applied to fibers and fabrics. This includes creative designing of wall hangings, creative weaving, Batik dyeing and stitchery.

Art 352 Jewelry II 2 (1-0-3)
Fall and Spring
This advanced study of traditional jewelry processes with emphasis on lost wax casting and gem setting. Experimentation will be stressed. Additional enameling processes such as cloissone, plique-a-jour and champleve will be introduced. Combinations of forms that construct units will be explored.

Art 362 Water Base Media II 2 (1-0-3)
Fall and Spring
Continuation of Art 261.

Art 372 Ceramics II 2 (1-0-3)
Fall and Spring
Intensive work in throwing on the wheel. Development of stoneware bodies. Glaze calculation and practical modification. Kiln stacking and firing. Prerequisite: Art 271.

Art 373 Ceramics III 2 (1-0-3)
Fall and Spring
Advanced study of ceramics from the standpoint of the artist-potter; includes thrown and asymmetrical form, clay bodies, glazes, firing, and general studio procedure. Emphasis on development of individual expression in the ceramic media. Prerequisite: Art 372.

Art 382 Sculpture II 2 (1-0-3)
Fall and Spring
Advanced study of the problems of three-dimensional design as related to various sculptural media. The structural nature of form will be investigated through the use of soldering and welding constructions, complex relief and three-dimensional figure compositions, complex molding and casting. Prerequisite: Art 281.

Art 383 Sculpture III 2 (1-0-3)
Fall and Spring
An extension of Art 382.
Prerequisite: Art 281 and 382.

Art 392 Interior Design 2 (1-0-3) *
Interior design in planning, selection and production as applied to the home and its furnishings. This course will deal with the "furnishing" of space for living. This furnishing should meet the human needs for which it was designed.

El.Ed. 392 Teaching Art in the Elementary Grades 3 (1-1-2)
Fall and Spring
The philosophy and principles of art education in the Elementary curriculum; experience in the development of self-expression through a variety of media and activities as the basis for understanding and evaluating children's work. Required of all Elementary majors.

Art 395 Stage Arts 2 (1-0-3) *

A practical introduction to stage design that can be applied to productions on all levels of the public school system. Elements of design are analyzed in terms of their application to concepts of action, objectives, and quality. Designs are developed in two and three dimensions to resolve the visual image of a given play. Conventional drawings for the theatre (including floor plans, elevation plans, light plot, layout and costume drawings) complete the scenic study.

Art 401 Cultural Origins of the West * Summer

A travel-study seminar abroad visiting countries in Western Europe. The course is planned as one of intensive study of the humanities as they originated in that part of the Western world from which our culture springs. Lectures are conducted throughout the tour by the director, a term paper is prepared by the participants. A General Education elective applicable to all curricula.

Art 403 Independent Study *

The opportunity is given to the art education major to pursue in depth an interest in a studio area under the guidance and supervision of an instructor with periodic conferences and evaluations of accomplishments and progress.

Art Club. An organization for all students interested in the promotion and appreciation of the visual arts. Also maintains a monthly exhibition series at the Art House Gallery, 167 South Academy Street and offers a service to campus organizations desiring esthetic guidance.

Biology

The B.A. degree in biology primarily prepares the student for graduate school in biological areas including dentistry, veterinary science and medicine. The biology department will accept advanced placement status for credit toward a degree.

In the lower division the student should include the following: Biology 111, 112; Chem. 111, 112, 211, 213; Math 112, 113; Physics 188, 211.

In the upper division the student is expected to take nine biology electives and Biology 404.

For the B.S. degree in biology the following departmentally required courses in General Education should be completed: Biology 111, 112; Chem. 111, 112, 211 and 212; Math 112, 115; Physics 188, 214.

Upper-division courses required for the B.S. in secondary education biology include the following: ten credits of Biology electives chosen under departmental advisement and Ed. 300.

Students who have taken Bio. 101-102 and subsequently choose biology as a major are responsible for the material given in Bio. 111 and 112 and will be expected to audit those sections of that course with which they are unfamiliar.

The biology department proposes a program leading to the degree of bachelor of science in medical technology.

VETERINARY MEDICINE, Commonwealth of Pennsylvania

A candidate for admission to study in veterinary medicine in the Commonwealth of Pennsylvania shall present evidence of having satisfactorily completed a minimum of two years of study in an approved college or university.

Minimum requirements for the two years of college study generally include:

Six semester hours of English and three of basic speech.

Eight semester hours of physics, including laboratory.

Eight semester hours of biology or zoology.

Eight hours of Chemistry with laboratory.

A balanced program including mathematics, social sciences and humanities (six semester hours each suggested).

Generally the foregoing requirements will cover most schools of Veterinary Science in the United States, but students should carefully review specific requirements for any particular professional school they have in mind.

"Professional Option" does not apply to Pre-Veterinary Medicine.

MEDICAL TECHNOLOGY MAJOR

The college is developing a program in Medical Technology. While a student may not presently enroll in such a program, it may become available within the time limitation of this catalogue.

Under this program, the student completes three years of study at Mansfield State College followed by one year of clinical training at an approved hospital School of Medical Technology.

Under advisement, the student earns a total of 96 credits during the three years at the College. Of this number, 20 hours are required in biology, 16 hours in chemistry, 8 hours in physics and 6 hours in mathematics.

Upon proper application and acceptance by the hospital, the student then completes his fourth year in clinical training (50 weeks) which includes studies in: microbiology, chemistry, clinical microscopy, hematology, serology and blood banking and histologic techniques for a total of 32 hours.

Bio. 101 Man and the Biological World
4 (3-0-2) Fall and Spring

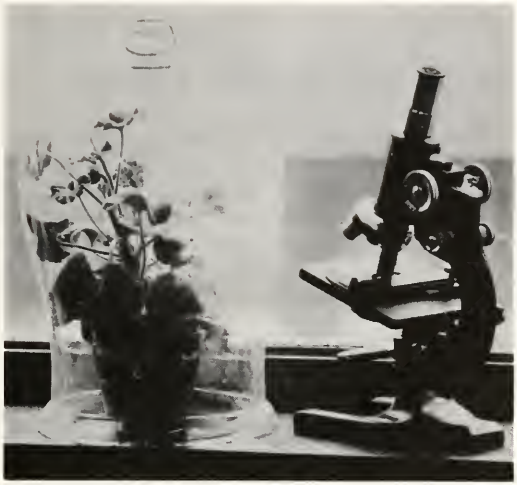
An introduction to biological processes; study and discussion of these processes together with ecological aspects of life. The laboratory stresses demonstration and analysis of biological processes.

Bio. 102 Contemporary Biological Problems
3 (3-0-0) Fall and Spring

There is no fixed syllabus. Topics are current and usually changed for each semester. Guest lecturers will be given time to present their specialties. Prerequisite: Bio. 101.

Bio. 111 Principles of Biology I
4 (3-0-3) Fall and Spring

A survey of classical and modern theories in biology, emphasizing molecular and cellular aspects. The laboratory emphasizes the experimental approach to molecular and cellular biology.



Bio. 112 Principles of Biology II
4 (3-0-3) Fall and Spring

A survey of classical and modern theories in biology, emphasizing the organism and the population as levels of organization. The laboratory emphasizes physiological and ecological integration. A continuation of Bio. 111. Prerequisite: Bio. 111.

Bio. 210 Invertebrate Zoology 4 (3-0-3)
Fall or Spring

Anatomy, physiology and taxonomy of the invertebrates, with emphasis on ecological relationships, also anatomy, physiology and taxonomy of chordates and vertebrates, with some attention to embryology and genetics. Prerequisites: Bio. 101 and 102, or 111 and 112.

Bio. 220 Botany 4 (3-0-2)
Fall or Spring

Study of plant development, growth, diversity, and evolution. Prerequisite: Bio. 101 or 111.

Bio. 275 Biological Laboratory Techniques for Elementary Science
2 (0-0-2) Fall and Spring

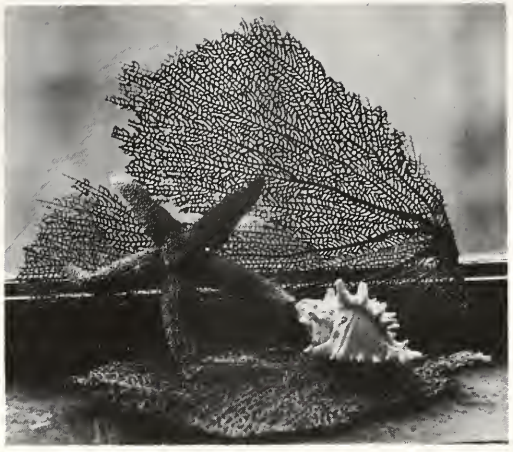
Provides for the development in the basic manipulative skills needed for the competency in handling laboratory equipment. The course is "laboratory centered" and stresses good laboratory techniques for the teaching of the biological aspects of the elementary science program. Prerequisite: Bio. 101.

Bio. 302 Field Zoology 3 (2-0-3)
Summer only

Taxonomy of local fauna; field collections and laboratory studies. Prerequisites: Bio. 101 and 102 or Bio. 111 and 112 or Bio. 210.

Bio. 303 Local Flora 3 (1-0-4)
Summer

Taxonomic study of local flowering and nonflowering plants. Prerequisites: Bio. 111-112 or Bio. 220.



Bio. 305 The Evolution and Classification of Plants 3 (2-0-2)
Fall or Spring

Systematic study of plants based on the data available chiefly from morphology, anatomy, cytology, genetics, paleobotany and geobotany. Emphasis is placed on modern principles of plant taxonomy. Practical identification of representatives of the major groups of plants is included. Prerequisites: Bio. 111-112 or Bio. 220.

Bio. 310 Ecology 3 (3-0-2)
Fall and Spring

A study of the fundamental ecological principles manifested in the mutual relationships of plants and animals in their environment. Prerequisites: Bio. 111, 112 or permission of instructor.

Bio. 320 Ornithology 3 (2-0-3) Spring

The biology of birds with emphasis on structure, behavior and taxonomy. Field trips for the study of local birds. Prerequisites: Bio. 111 and 112 or 101.

Bio. 325 Entomology 3 (3-0-2)
Fall, alternate years

Survey of the classification, structure, physiology, biology and economic importance of insects. An introduction to the study of insects as a major segment of the biological community. Laboratory exercises on the anatomy and practice in the techniques of insect identification. Prerequisite: Bio. 210.

Bio. 330 Plant Physiology 3 (2-0-2)
Fall or Spring

A course designed to develop an understanding of the chemical and physical processes occurring in plants including respiration, photosynthesis, hormonal activity, osmosis, transpiration, mineral absorption and translocation. The laboratory work will involve analysis of these functions. Prerequisites: Bio. 111, 112 and 220.

Bio. 331 Vertebrate Anatomy 3 (2-0-4)
Fall

A history of vertebrates and a study of comparative systems through the major vertebrate groups correlating their historical development. Prerequisites: Bio. 111 or Bio. 101.

Bio. 332 Physiology 3 (2-0-2)
Spring

A systematic study of the life processes and functions of the animal body with particular emphasis on the mammalian vertebrate. Prerequisites: Bio. 111 or Bio. 101.

Bio. 340 Genetics 3 (2-0-3)
Spring or Fall

An introductory course with emphasis on the basic principles and concepts of genetics concerning chromosomes, DNA, RNA, linkage, etc. An initial discussion will cover classical genetics followed by an in-depth study of biochemical genetics. The laboratory section of this course will be used to demonstrate the aforementioned principles and concepts as well as acquaint the student with some of the organisms used in genetic research. Prerequisites: Bio. 111 and 112 or permission of instructor.

Bio. 345 Embryology 3 (2-0-3)
Fall

Study of the origin and development of animals with special emphasis on the frog, chick and mammal. Laboratory study of embryological slides. Prerequisites: Bio. 111 and 112.

Bio. 351 Animal Histology and Basic Microtechniques 3 (2-0-2)
Alternate Springs

A systematic study of the microanatomy of the vertebrate body starting with cells and tissues and working through the complete organ systems. Prerequisites: Bio. 111 or Bio. 101.

Bio. 355 Microbiology 3 (2-0-3)
Fall or Spring

An introductory course with an emphasis on the basic principles and concepts of microbiology concerning anatomy, classification, physiology and practical uses of microorganisms. The laboratory section of this course will be used to demonstrate the aforementioned principles and concepts as well as help the student develop aseptic technique. Prerequisites: Bio. 111 and 112 or permission of instructor.

Bio. 360 Ichthyology 3 (2-0-3)
Spring, alternate years

A field and laboratory study of the fish inhabiting the streams and rivers of this area constitutes the major portion of this course. Collection, measurement and identification of species are done by the student. Chemical data as related to fish populations, management and meristic characters will be collected and analyzed. Prerequisites: Vert., Zool., Field Zoo., Ecology.

Bio. 362 Limnology 3 (2-0-3)
Fall or Spring, Alternate years

This course deals with basic concepts in the study of inland waters. Focus on biological, chemical, physical and geological factors which determine biological productivity in natural waters. Prerequisites: Bio. 102 or 112 or permission of instructor.

Bio. 375 Plant Morphology 3 (2-0-2)
Fall or Spring

Comparative study of vegetative and reproductive structures of the principal plant groups with an aim of understanding their possible relationships. Prerequisites: Bio. 111-112 or Bio. 220.

Bio. 380 Mycology 3 (2-0-2)
Fall or Spring

A study of fungi with emphasis on the comparative morphology and on the relation of fungi to humans. Identification of local fungi is included. Prerequisites: Bio. 111-112 or Bio. 220.

Bio. 385 Herpetology 3 (2-0-3)
Summer only

The biology of amphibians and reptiles with special emphasis on evolution and adaptation. Laboratory studies will stress structure, adaptation, and speciation. Field studies will illustrate life history and ecology. Prerequisites: Bio. 111, 112, or 101-102.

Bio. 404 Biology Seminar 1 (0-1-0)
Fall and Spring

Study and research projects involving investigation of recent literature in the field of biology; preparation of seminar papers on assigned problems. Senior biology majors only. May be taken two semesters.

Bio. 405 Special Problems in Biology
Credit arranged
Fall and Spring

Study projects under direct supervision of instructor; library, field and laboratory research on selected problems. Prerequisite: permission of department.

Biology Club. The biology department sponsors a biology club which offers field trips in areas of interest, talks on current topics and projects.

Chemistry

To obtain the training necessary for qualification as a professional chemist or for entering a graduate program leading to an M.S. or Ph.D. degree in chemistry, a prospective major should select the liberal arts (B.A.) chemistry curriculum. This program also provides a very sound, and more than adequate preparation for the pre-professional areas of medicine, dentistry, pharmacy, veterinary science, and others. Minimum standards set up by the American Chemical Society for the B.S. in chemistry have been adhered to in fashioning the Liberal Arts (B.A.) chemistry curriculum at Mansfield.

All prospective chemistry majors should have, or obtain during the first semester, preparation equivalent to high school algebra and trigonometry.

The following General Education courses should be completed to enter the liberal arts (B.A.) chemistry curriculum: Chemistry 111, 112, 211, 212; Physics 201, 202; Mathematics 112, 113, 212; German 201, 202; mathematics elective or Ma. 102.

Courses in the upper division required for the liberal arts (B.A.) chemistry major are: Chemistry 311, 332, 322, 420, 431; Chemistry electives (2 courses); electives in related fields. For the B.S. degree in Chemistry-Secondary Education, the following required courses in General Education should be completed: Chem. 111, 112, 211 and 212; Physics 201, 202; Ma. 112, 113, 212; Math. 102 or a math elective.

Upper-division courses required for the B.S. in chemistry include the following: Chem. 321, 322, 332, 410, 311 and chemistry electives.

Chem. 101 Inorganic Chemistry 4 (3-1-2) Fall

Treatment of fundamental principles of chemistry which will be of particular use to non-science majors. Not open to science majors.

Chem. 102 Organic and Biochemistry 4 (3-1-2) Spring

Principles of organic chemistry and biochemistry which are important and useful to non-science majors. Not open to science majors. Prerequisite: Chem. 101.

Chem. 111 General Chemistry I 4 (3-0-3) Fall

Fundamental principles of chemistry from the standpoint of atomic structures, chemical bonding, and the physical states of matter. Laboratory sessions stress quantitative relationships. Required of all science majors.

Chem. 112 General Chemistry II 4 (3-0-3) Spring

A continuation of Chem. 111. Ionic equilibria, acid-base theory and descriptive inorganic chemistry are studied. The laboratory work is an introduction to inorganic qualitative analysis. Prerequisite: Chem. 111.

Chem. 211 Organic Chemistry I 4 (3-0-4) Fall

Fundamentals or organic chemistry are presented. Modern theory, introduction to reaction mechanisms and stereochemistry are included along with nomenclature, reactions, preparation, and properties of organic compounds. The laboratory stresses studies of chemical and physical properties of preparation. Prerequisite: Chem. 112.

Chem. 212 Organic Chemistry II 4 (3-0-4) Spring

Continuation of Chem. 211. Prerequisite: Chem. 211.

Chem. 311 Quantitative Analysis 4 (3-0-3) Fall

An introductory course in analytical chemistry emphasizing classical titrimetric and gravimetric procedures. Prerequisite: Chem. 112.

Chem. 321 Physical Chemistry I 4 (3-0-4) Fall

A study of the fundamental principles of thermodynamics of gases and non-electrolytes. Topics include: kinetic theory gases, thermodynamic laws, chemical equilibrium, liquids, phase equilibria, non-electrolyte solutions. Prerequisites: Chem. 212, 311; Math. 213; Phys. 188, 211, 202 or concurrently.

Chem. 322 Physical Chemistry II 4 (3-0-4) Spring

Continuation of Chem. 321. Topics include: thermodynamics of electrolytes, atomic and molecular structure, chemical kinetics. Prerequisite: Chem. 321.

Chem. 332 Instrumental Analysis 3 (2-0-3) Spring

Principles and applications of instrumental methods in chemical and structural analysis. Studies include potentiometric, conductometric, electrolytic, spectrometric, and chromatographic techniques. Prerequisites: Chem. 311, 321; Phys. 202.

Chem. 341 Biochemistry 4 (3-0-2) Fall

Chemistry of carbohydrates, lipids, and proteins; digestion, metabolism, blood, nutrition. Prerequisite: Chem. 212 or permission of instructor.

Chem. 342 Physical Chemistry for the Life Sciences 4 (3-0-2) Spring

A one-semester course in physical chemistry emphasizing subjects bearing on the life sciences. Topics include buffers, bioenergetics, kinetics of enzyme reactions, colloidal and large particle systems, membrane phenomena, nuclear chemistry and elementary treatments of traditional subjects contained in the usual physical chemistry course. Prerequisites: Phys. 202; Chem. 212.

Chem. 352 Radiochemistry 3 (2-0-3) Spring or Fall, alternate years

Study of radioisotope methodology. A laboratory-oriented course familiarizing the student with radiation detection and applications in natural science problems. The course is of practical value to the B.S. and B.A. science major. Prerequisites: science majors with junior or senior standing or permission of the instructor.

Chem. 410 Chemistry Seminar 1 (1-0-0) Fall and Spring

Study projects involving investigation of recent literature in field of chemistry; preparation of seminar papers on assigned problems. Prerequisite: junior or senior status.

Chem. 420 Qualitative Organic Analysis 3 (2-0-4) Fall

Identification of organic compounds by various techniques: an introduction to modern methods such as chromatography. Prerequisite: Chem. 212.

Chem. 421 Selected Topics in Organic Chemistry 2 (2-0-0) *

Subjects may include natural and synthetic polymers, antibiotics, heterocyclics, terpenes, reaction mechanisms, and stereochemistry. Prerequisite: Chem. 212.

Chem. 431 Advanced Inorganic Chemistry 4 (3-0-4) Fall

A presentation of the Bohr-Sommerfeld and wave mechanical theories of atomic structure. Valence bond, molecular orbital, crystal field, and ligand field theories of bonding are also treated in some detail. Laboratory preparation of representative compounds is included. Prerequisite: Chem. 112, 322.

Chem. 432 Structural Chemistry 3 (3-0-0) Spring

Modern methods of structure determination of inorganic and organic compounds. X-Ray diffraction, ultraviolet and infrared absorption spectra, mass spectrometry, and nuclear magnetic resonance spectroscopy discussed in detail. Prerequisites: Chem. 212, 332.

Chem. 490 Problems in Chemistry 1-3 (0-0-6) Fall and Spring

Study projects under direct supervision of instructor. Library and laboratory research in selected problems. Prerequisite: consent of instructor.

Sigma Zeta. A national science honor society restricted to upperclassmen. It seeks to recognize ability and accomplishment in the various branches of science. Meetings, field trips, and special projects make active membership in the organization pleasurable and worthwhile.

Chemistry Club. The purpose of the club is to afford an opportunity for the students of Mansfield State College to become better acquainted with the field of chemistry, beyond the classroom and college laboratory. Membership is open to students at MSC with a 2.00 scholastic average and enough interest in chemistry to pay a small due.

Computer Science

CSCI. 305 Language and Structure of Computers 3 (3-0-0) Spring

Fundamentals of assembly language programming applied to the RCA Spectra 70-35 computer. Involves the logical basis of computer structure, machine representation of information, flow of control, instruction codes, arithmetic and logical operations, indexing and indirect addressing, input-output, symbolic representation of programs and assembly systems, and recent advances in computer organization. Prerequisite: Ma 107.

CSCI. 320 Special Problems in Computer Applications 1-3 by Arrangement Fall and Spring

An individualized honors course designed to allow a student to pursue a specialized topic or project under the supervision of a professor. Credit is granted according to the scope and nature of the project. Student must be nominated or sponsored by the professor interested in the work. Prerequisite: Ma 107.

Earth-Space Science

The requirements for the Bachelor of Science in Secondary Education major are 13 courses or 39 credit hours in mathematics and sciences under rigorous advising by the earth-space science faculty within the Department of Physics.

The purpose of these broad requirements is to enable students to specialize in such areas as geology, astronomy, geophysics, geochemistry and biophysics.

Economics

Econ. 201 Macro-economics 3 (3-0-0) Fall and Spring

An introduction to aggregate economics, with emphasis on interdependence of sectors of an economy, aggregate concepts, determination of national income and fiscal and monetary policy for stabilization.

Econ. 202 Micro-economics 3 (3-0-0) Fall and Spring

The mechanism of the free enterprise system: pricing, production, and employment under various market conditions; functional distribution of income; selected topics in modern theory of general equilibrium and welfare economics.

Econ. 203 Pricing and Distribution 3 (3-0-0) Fall and Spring

An analysis of the forces determining relative prices within the framework of production and distribution.

Econ. 204 History of Economic Thought 3 (3-0-0) Fall or Spring

A study of economic ideas from the eighteenth century to the present. A brief review of physiocracy and mercantilism followed by a closer survey of classical liberalism, pre-Marxist and utopian socialism. Marxism, neoclassicism, institutionalism and other contemporary developments.

Econ. 301 Contemporary Economic Problems 3 (3-0-0) Fall or Spring

Examination of some of our crucial economic problems: unemployment, inflation, poverty; also of some of the minor issues: right-to-work, national debt, and of several international concerns, i.e., the Common Market.

Econ. 311 Money and Banking 3 (3-0-0) Fall or Spring

An inquiry into the monetary system of the U.S. Brief examination of historical development; the functioning of monetary policy is carefully considered. Emphasis on the public/private nature of our banking system.

Econ. 332 International Economics 3 (3-0-0) Fall or Spring

Principles, practices and policies of international trade.

Econ. 334 Comparative Economic Systems 3 (3-0-0) Fall or Spring

Capitalism, socialism, communism, and facism; examination of resource allocation, consumption, pricing, production, investment, income distribution, central planning.

Econ. 401 Labor Relations 3 (3-0-0) Fall or Spring

Equal consideration is given to the market and institutional factors of labor/management relations. The role of government especially as defined in major legislation is examined. Historical development of trade unions serves as an introduction.

Econ. 405 Public Finance 3 (3-0-0) Fall or Spring

Contemporary fiscal institutions in the United States; public expenditures; public revenues; incidence of major tax types, intergovernmental fiscal relations; public credit.

Econ. 410 Economic Growth and Development 3 (3-0-0) Fall or Spring

Problems of capital formation, institutional considerations and theories of economic growth.

Elementary Education

Elementary education at Mansfield State College has as its purpose the preparation of men and women for teaching in the elementary school. It is a four-year course leading to the degree of Bachelor of Science in Education.

Elementary education students pursue the broad programs of General Education provided for all students of the College, including courses in the humanities, sciences, mathematics, and the social sciences. They must also complete an elective sequence of at least 18 semester hours in an approved academic area of interest.

Students tentatively in this major should include the following courses in their first two years of General Education: Psy. 100 General Psychology, Psy. 230 Educational Psychology.

The Department of Elementary Education recommends that students planning to major in elementary education make a strong effort to work with young children prior to enrollment in the major area courses. A student may choose work in summer camps or playgrounds, in summer school programs as teacher aides or in similar activities.

During his fourth semester a student must apply to the Department of Elementary Education for acceptance as an upper division student with a major in elementary education. Requirements for upper division acceptance include: near completion of the General Education requirements, an overall 2.0 quality point average, grades of C or better in freshman English and recommendation by the student's advisor.

In the major area of specialization the following courses are required: ElEd. 350 Child Development, ElEd. 360 Children's Literature, ElEd. 380 Teaching Music, ElEd. 392 Teaching of Reading, ElEd. 384 Teaching of Arithmetic, ElEd. 385 Methods I — Language Arts, Health, Physical Education, ElEd. 386 Methods II and Participation — Social Studies and Science, 26 credit hours.

As part of the major area of specialization, students must complete at least eighteen semester hours in one of the following areas: art, English, languages, mathematics, music, sciences, social sciences, speech and theatre.

In order to meet minimum requirements for student teaching, students must maintain at least an overall 2.0 quality point average and a 2.0 average for the 44 hours in their area of specialization as indicated above. They must also have completed the 26 hours of professional education in the major area of specialization.

Students who major in elementary education are required to complete an additional 21 semester hours in professional education, including Ed. 301 Evaluative Techniques, Ed. 302 A-V Communication, Ed. 401 History and Philosophy of Education, ElEd. 401 Professional Seminar and Ed. 400 Student Teaching.

Elementary education courses listed below are open to juniors and seniors majoring in elementary education. Other upper division students are admitted to courses only on consent of the instructor.

Students are expected to complete Psy. 100 General Psychology and Psy. 230 Educational Psychology prior to enrolling in elementary education courses.

ElEd. 300 Pre-School Education 3 (3-0-0) Fall and Spring

Objectives, equipment and procedures in nursery school and kindergarten; observation in kindergarten classes. Consent of the instructor required.

ElEd. 325 Diagnostic and Remedial Reading 3 (3-0-0) Fall and Spring

Tests and techniques to prevent, detect and correct reading difficulties; special methods and materials for problem readers. Prerequisite: ElEd. 383.

Ed. 330 Guidance and Counseling Techniques 3 (3-0-0) Summer only

The responsibility of the teacher in the guidance program of the school; the identification of student problems; significant information and its use; techniques in guidance and counseling.

ElEd. 350 Child Development 3 (3-0-0) Fall and Spring

An interpretive description of human growth from conception through infancy, toddlerhood, pre-school and school years, adolescence and into maturity.

ElEd. 360 Children's Literature 3 (3-0-0) Fall and Spring

A study of the history of children's literature; types of literature useful for children in pre-school and elementary school; techniques of dramatic reading, story telling and choral speaking.

ElEd. 380 Teaching Music 3 (3-0-1) Fall and Spring

Designed for the elementary education major to develop the philosophy of music education, the ability to read music, the use of the singing voice, and the knowledge of music methods. Includes the use of classroom instruments, including piano, and the presentation of current music materials available for K-6.

ElEd. 383 Teaching of Reading in the Elementary School 3 (3-0-0) Fall and Spring

The reading process; normal development; characteristics of children learning to read; principles, problems, materials and techniques for the teaching of reading in the elementary school.

ElEd. 384 Teaching of Elementary School Mathematics 3 (3-0-0) Fall and Spring

Methods of teaching mathematics, examination of curriculum and materials pertinent to teaching mathematics in the elementary school, and development of mathematical skills required of the elementary school teacher.

ElEd. 385 Methods I (Teaching of Language Arts) 2 (2-0-0) Fall and Spring

Principles, problems, materials and techniques for the teaching of speaking, listening, writing and reading.

ElEd. 385 Methods I (Teaching of Health and Physical Education) 2 (2-0-0) Fall and Spring

Principles, problems, materials and techniques for conducting the health and physical education programs in the elementary school.

ElEd. 386 Methods II (Teaching of Social Studies and Science and Participation) 4 (3-0-2) Fall and Spring

Principles, problems, materials and techniques for the teaching of social studies and science in the elementary schools. Participation in the local elementary school.

ElEd. 392 Teaching Art in Elementary Grades 3 (3-0-2) Fall and Spring

The philosophy and principles of art education in the elementary curriculum; experience in the development of self-expression through a variety of materials and activities as the basis for understanding and evaluating children's work.

ElEd. 400 Student Teaching 12 (0-0-30) Fall and Spring

Practice teaching under supervision of master teachers. Required of all students working for a degree in teacher education.

ElEd. 401 Professional Seminar Including School Law 2 (2-0-0) Fall and Spring

Taken in the senior year; orientation and critiques concerned with classroom problems; examination of school law, school organization and administration.

ElEd. 402 Selected Topics in Elementary Education 3 (3-0-0) Fall or Spring

The course is designed to give students the opportunity to carry out indepth studies into various teaching techniques appropriate for use at the elementary school level. The course includes lecture discussions, seminar periods, and the use of resource persons. Heavy emphasis is placed on student leadership and participation as well as on the reading and discussion of recent educational literature. Open to in-service teachers and majors who have completed student teaching.

Kappa Delta Pi. Kappa Delta Pi, an honor society in education, aims to encourage high professional, intellectual and personal standards to recognize outstanding contributions in education. To this end it invites to membership such persons as exhibit commendable personal qualities, worthy educational ideals and sound scholarship. Invitation to membership shall be dependent upon fulfillment of the following qualifications: junior collegiate standing; general scholarship of a grade ranking in the upper fifth of the Division of Professional Studies; a cumulative index of not less than 3.00.

English

The Department of English teaches students to communicate feelings and ideas through the exact use of language; it enables them to read imaginative and intellectual texts with mature understanding and sensitivity. It develops in advanced students an understanding of grammatical principles and of the scope and continuity of English and American literature.

Major: thirty-six hours beyond English 102 are required of all English majors. The following courses must be included in the program of a student preparing to teach in the secondary schools: English 200, 201, 202, 203, 225, 235, and either 358 or 359. Except for Eng. 225, the same courses must be included in the program of an English major in liberal arts. Both the English-education and liberal-arts major are required to achieve second year proficiency in a foreign language.

Minor: eighteen hours beyond English 102 are required of students taking a minor in English. The following must be included: English 200, 201, and either 202 or 203. Neither Eng. 210 or 211 may be used to satisfy requirements for a major or minor in English.

Transfer students must satisfy all Departmental requirements above.

By the end of the sophomore year an English major should have completed Eng. 200, 201, 225 and one English elective.

Eng. 090 Remedial English O
Fall and Spring

Entering freshmen are required to take an examination in English mechanics. Those who do not achieve a specified score are required to take this course two hours each week in addition to Eng. 101.

Eng. 101 Freshman Composition I
3 (3-0-0) Fall and Spring

Intensive training in reading and writing; introduction to semantics and the principles of sound reasoning.

Eng. 102 Freshman Composition II
3 (3-0-0) Fall and Spring

Continuation of Eng. 101. Critical reading in various literary genres; preparation of the research paper. Prerequisite: Eng. 101.

Eng. 200 Survey of English Literature I
3 (3-0-0) Fall

Masterpieces of English Literature from the Anglo-Saxon period to the end of the eighteenth century with emphasis on interpretation and critical evaluation. Prerequisite: grade of C in Eng. 101 and 102.

Eng. 201 Survey of English Literature II
3 (3-0-0) Spring

A continuation of Eng. 200. English literature from the eighteenth century to the present. Prerequisite: grade of C in Eng. 101 and 102.

Eng. 202 Survey of American Literature I
3 (3-0-0) Fall

Major American writers from the colonial period to the Civil War. Prerequisite: grade of C in Eng. 101 and 102.

Eng. 203 Survey of American Literature II
3 (3-0-0) Spring

A continuation of Eng. 202. American literature from the Civil War to the present. Prerequisite: grade of C in Eng. 101 and 102.

Eng. 210 Literature of the Western World I
3 (3-0-0) Fall and Spring

Literary classics from ancient times to the close of the Renaissance. Prerequisite: Eng. 102.

Eng. 211 Literature of the Western World II
3 (3-0-0) Fall and Spring

A continuation of Eng. 210 from the Age of Reason to the present. Prerequisite: Eng. 102.

Eng. 225 English Grammar
3 (3-0-0) Fall and Spring

A detailed study in which traditional grammar is reviewed and compared with recent developments such as structural linguistics and transformational grammar.

Eng. 226 History of the English Language
3 (3-0-0) Fall

A study of the development of the English language from old English to modern times with special attention to the causes of linguistic change.

Eng. 235 Advanced Composition
3 (3-0-0) Fall and Spring

Intensive writing in area of each student's principal interest. Students not majoring in English admitted by consent of instructor. Prerequisite: Eng. 102.

NOTE: No student will be admitted to any of the courses below unless he has completed one of the following: Eng. 200, 201, 202, 203, 210, or 211.

Eng. 300 Teaching English in the Secondary School 3 (3-0-0) Fall and Spring

Examination of the objectives, professional requirements, and specialized problems of English instruction; survey of materials and aids for the teaching of the language arts in junior and senior high school; analysis of methods and trends, and practice in the development and presentation of programs of study.

Eng. 302 The Short Story
3 (3-0-0) Fall or Spring

Close reading and critical analysis of the short story as a literary form.

Eng. 304 The Novelette
3 (3-0-0) Summer

An historical survey from Boccaccio to Katherine Ann Porter.

Eng. 330 Literary Criticism
3 (3-0-0) Spring

Major theories of literary criticism from Aristotle to the present with practical application. Admission by consent of instructor.

Eng. 334 Journalism 1-3 credit hours
(3-0-0)

Fundamentals of reporting, editing, and writing feature articles.

Eng. 335 Creative Writing
3 (3-0-0) Fall and Spring

The writing of prose or verse under individual guidance and criticism. Admission by consent of instructor.

Eng. 336 American Literature to 1835
3 (3-0-0) Spring

A study of major seventeenth and eighteenth-century American writers emphasizing the literary and philosophical aspects of their work and locating them in the continuum of American literature and culture.

Eng. 337 The American Renaissance
3 (3-0-0) Spring

A study of major mid-nineteenth century American writers with emphasis upon their works as works and as a part of a continuing literature and culture.

Eng. 338 American Realism and Naturalism
3 (3-0-0) Fall

A study of major Realists and Naturalists in American literature with an emphasis upon their works, their literary apology, and their influence.

Eng. 339 Contemporary American Fiction
3 (3-0-0) Fall

A study of major writers of fiction emphasizing their works, their social consciousness, their influence on their own generation, and their probable influence on following ones.

Eng. 340 Middle English Literature
3 (3-0-0) Fall

A study of representative works from the Anglo-Saxon period to 1500.

Eng. 345 Chaucer
3 (3-0-0) Spring

A study of Chaucer in relation to his times with special emphasis on **The Canterbury Tales** and **Troilus and Cressida.**

Eng. 355 Sixteenth-Century Poetry and Prose 3 (3-0-0) Spring

Poetry from Shelton and Wyatt to Sidney and Spenser; prose from More and Eliot to Hooker and Nashe.

Eng. 356 Spenser 3 (3-0-0) *

A study of Spenser's achievements in distinctively Elizabethan forms of lyric and epic poetry.

Eng. 358 Shakespeare 3 (3-0-0) Fall

Selected earlier plays of Shakespeare; interpretation and evaluation with attention to his development as a dramatist and poet.

Eng. 359 Shakespeare 3 (3-0-0) Spring

A continuation of Eng. 358. Selected later plays.

Eng. 360 Seventeenth-Century English Literature 3 (3-0-0) Fall

Prose and non-dramatic poetry with emphasis on Jonson, Donne, and Dryden.

Eng. 365 Milton 3 (3-0-0) Summer

The poet, the times, and the major works.

Eng. 370 Eighteenth-Century English Literature 3 (3-0-0) Spring

A study of major English writers representing basic attitudes and values of the Age of Reason and of the pre-Romantic movement.

Eng. 380 The Romantic Movement 3 (3-0-0) Fall

Wordsworth, Coleridge, Byron, Shelley, Keats, and their contemporaries; social and ideological factors, poetic theory.

Eng. 382 Victorian Poetry and Prose 3 (3-0-0) Fall

Major British writers from 1830 to 1900; social and intellectual influences of the period.

Eng. 384 The British Novel to 1870 3 (3-0-0) Fall

Principal British novelists from Defoe to Dickens examined in relation to social and intellectual trends; analysis of form.

Eng. 385 The British Novel since 1870 3 (3-0-0) Spring

A continuation of Eng. 384 to the present.

Eng. 388 English Drama to 1890 3 (3-0-0) Fall

A survey of English dramatic literature beginning with the medieval morality, mystery, and miracle plays.

Eng. 389 World Drama 3 (3-0-0) Summer

The work of Continental dramatists to Ibsen.

Eng. 390 Modern Drama 3 (3-0-0) Spring

The work of major dramatists, primarily English and American, from Ibsen to the present; analysis of techniques of composition, production, and performance.

Eng. 391 Modern Poetry 3 (3-0-0) Spring

Analysis of poetic method and of the integral nature of form and meaning in British and American poets from G. M. Hopkins to Dylan Thomas.

Eng. 400 Directed Study 3 (3-0-0) *

Individual study under the direction of a faculty member appointed by the department chairman. Admission by consent of the in-instructor.

Eng. 401 Seminar in English Studies
3 (3-0-0) Fall and Spring

Intensive reading and discussion of a major writer; class enrollment restricted to twelve. Basic bibliographical sources used for several long papers. Open only to juniors and seniors by consent of the instructor.

The Falcon. The Falcon is a nationally distributed literary magazine, edited by members of the English department, publishing the work of current American poets and fiction writers. Contributors have included writers of national reputation as well as new or previously unknown writers from across the country.

Geography

The liberal arts (B.A.) program in geography has as its objectives: (1) the development and understanding of the spatial distributions and areal relationships of man in his total environment; (2) the promotion of reasoning and research in geographic concepts, methodologies and theories; and (3) the preparation of geography majors for graduate study or entrance into the many and varied fields of employment open to geographers.

To meet these objectives, the Geography Department offers undergraduate courses for students under three general categories: (1) those who wish to take one or more geography courses as electives under the General Education program, (2) those who are required to take geography courses as a part of their major area of concentration, and (3) those who intend to make geography their major field of study.

In fulfilling General Education requirements, geography majors are required to complete Geography 102, and 111, although both these courses may be waived by examination given with the approval of the student's advisor. The examination will only be allowed, however, when there is sufficient evidence that the student already has an adequate background in geography.

Beyond this General Education requirement, geography majors must complete thirty-six hours of geography or approved cognate courses. Of the thirty-six hours, twelve hours must include Geog. 230, Geog. 360, Geog. 380 and Geog. 498. The remaining twenty-four hours will be arranged with the student's advisor to meet the individual's special interest. When deemed advisable by the advisor, six hours of the major requirement can be met by courses in cognate fields which complement and supplement the special field of interest, such as anthropology, economics, history, political science, sociology and geology.

For the B.S. degree in geography-secondary education, thirty-three hours beyond Geog. 111 Human Geography are required. These hours will include Geog. 102 Physical Geography, Geog. 231 Map Projection and Interpretation, Geog. 360 Economic Geography I, and Geog. 380 Geography of the United States and Canada. Geog. 498 Senior Seminar in Geography is strongly recommended, especially for those planning on a career in geography. Additional requirements for the major are: any one regional course, any one systematic course (physical or cultural). Three free electives in geography and one free elective in the social sciences.

General Education requirements for the B.S. in geography-secondary education include twelve hours in humanities, twelve hours in the sciences, six hours in mathematics, and twenty-four hours in the social sciences distributed as follows: Psy. 100 General Psychology, Geog. 111 Human Geography, six hours in U. S. History and twelve hours of electives from among anthropology, economics, sociology, and political science in which the student selects one course in three of the four preceding areas and no more than two courses in any single area.

Geo. 102 Human Geography
3 (3-0-0) Fall and Spring

An introduction to geography and a study of human communities in their relation to the environment; including a systematic study of population and culture as reflected in settlement, economic activities, land use and their resulting spatial patterns.

Geog. 111 Physical Geography
3 (3-0-0) Fall and Spring

Introduction to the nature of geography and the physical aspects of the environment of man; the earth and its planetary relations; selected topics in physical geography, including weather, climate, soils, landforms, the principles of map projection and interpretation.

Geog. 222 Environmental Land Use and Natural Resources 3 (3-0-0) Fall or Spring

An analysis of environmental land use and natural resources as a response to the physical and cultural conditions of the past and present; an evaluation of the major divisions of land usage and the resulting interrelationship of areal patterns.

Geog. 230 Introduction to Cartography 3 (3-0-0) Fall or Spring, alternate years

Introduction to the principles and tools of basic cartography. Emphasis is on map projections, map design and map reproduction. The student will generally find it necessary to work independently in the cartography lab outside of class.

Geog. 231 Map Projection and Interpretation 3 (3-0-0) Fall or Spring

Introduction to the use and evaluation of projections, maps, charts and aerial photographs. Emphasis on coordinate systems and topographic maps.

Geog. 282 World Regional Geography 3 (3-0-0) Fall and Spring

Regional analysis of study of the earth as the home of man. Specific areas and types of man-land relationships are studied as examples of the world variety of human adjustments to and adaption of the natural environment. Course particularly well-suited for future social science teachers.

Geog. 310 Meteorology 3 (3-0-0) Fall, alternate years

Systematic study of the dynamics of the atmosphere utilizing the synoptic approach and including the elements of climate.

Geog. 311 Introduction to Climatology
3 (3-0-0) Fall, alternate years

Systematic and regional study of the elements and controls of climate; application of standard classification systems and climatological data in analysis of climate stations and regions.

Geog. 321 Geomorphology 3 (3-0-0)
Fall, alternate years

The evolution and development of land forms and the principal theories of landform development pertaining to structure, process and stage; topographic maps, profiles and the appraisal of geologic data from both field and laboratory studies. Prerequisites: Geog. 111 or permission of instructor.

Geog. 350 Urban Geography 3 (3-0-0)
Fall or Spring, alternate years

An analysis of the localization, structure and function of urban settlements and their supporting areas, progressing from simple relationships in small settlements to the complexities of modern metropolitan regions.

Geog. 351 Population Geography
3 (3-0-0) Fall or Spring

Studies the spatial aspects of world population numbers, densities, and qualities; emphasizing the economic and social characteristics and mobility of the world's population.

Geog. 360 Economic Geography I
3 (3-0-0) Fall or Spring

Relates modern methods of geographic analysis to the study of world patterns or primary production: agriculture, herding, fishing, forestry and mining.

Geog. 361 Geography of Manufacturing
3 (3-0-0) Fall or Spring,
alternate years

Analyzes the activities of secondary production. Covers the distribution and consumption of minerals; principles and theory of industrial location; and an analysis of selected industries and manufacturing regions.

Geog. 370 Political Geography
3 (3-0-0) Fall or Spring,
alternate years

A systematic analysis of the geographical nature, policy and power of the state. Analyzes the growth and development of states, boundary problems, population distribution, colonies and internal and international political theories.

Geog. 371 Historical Geography
3 (3-0-0) Fall or Spring

A survey of the human geography of the past. Detailed study of topics, including the characteristics of colonization, settlement and cultural landscape development in the evolving landscape. Special reference is made to American historical geography.

Geog. 380 Geography of the United States
and Canada 3 (3-0-0)
Fall and Spring

A geographic analysis of the physical environment, resources, industries, population and settlement of Anglo-America north of the Rio Grande. Particular emphasis on geographic regionalism and geographic problems common to the area.

Geog. 381 Geography of Pennsylvania
3 (3-0-0) *

Topography, climate, resources, historical development, geographic regions of Pennsylvania. Field trips with particular attention to topographic and economic aspects of the Commonwealth.

Geog. 382 Geography of Middle America
3 (3-0-0) *

Study of the physical environment, aboriginal and modern culture, and economic geography of Mexico, Central America and the Caribbean.

Geog. 383 Geography of Latin America
(South America) 3 (3-0-0) *

Study of the linguistically derived regionalism of America south of the Central American states; analysis and synthesis of geographic factors responsible for regional and sectional development.

Geog. 384 Geography of the Soviet Union
3 (3-0-0) *

A study of the economic and political structure of the U.S.S.R., emphasizing geographic regions, resources and industrial development.

Geog. 385 Geography of Europe
3 (3-0-0) *

Systematic treatment of topography, climate, biotic resources and mineral resources, communication, population and industrial areas; geographic regions of Europe.

Geog. 386 Geography of Monsoon Asia
3 (3-0-0) *

A study of the region comprising India, East Pakistan, Burma and Southeast Asia. Emphasis on analyzing fundamental geographic and associated problems of the area.

Geog. 387 Geography of the Far East
3 (3-0-0) *

A systematic and regional analysis of far eastern Asia; with a special emphasis on the resources, population and economic activities of China, Japan and Korea.

Geog. 388 Geography of Southwest Asia and North Africa 3 (3-0-0) *

A regional analysis of the physical environment, resources, industries, population and settlement of the Islamic World from West Pakistan to Morocco. Special attention is given to the geographic problems related to the area.

Geog. 389 Geography of Australia and Oceania 3 (3-0-0) *

A systematic interpretation of the physical environment, resources, settlements and man-land relationships of the Pacific Islands, Australia and New Zealand.

Geog. 402 Advanced Human Geography
3 (3-0-0) Fall or Spring, alternate years

Investigation of the landscape's forms and features produced or modified by man, their distribution and the processes whereby man changes his landscape. Prerequisites: Geog. 102 and Geog. 111.

Geog. 411 Advanced Climatology
3 (3-0-0) *

Thematic analysis of the nature and distribution of the world's climates with special consideration given to the changing balance of the earth's dynamic atmospheric process and the influence of the atmosphere on terrain, drainage, vegetation, and man's habitat. Prerequisite: Geog. 311.

Geog. 430 Modern Cartographic Techniques
3 (3-0-0) *

Advanced elements of map design and reproduction. Emphasis on contemporary media used in presenting quantitative data. Prerequisite: Geog. 230.

Geog. 450 Geography of Urban Settlements
3 (3-0-0) *

Analysis of the spatial aspects of urban settlement problems including race, sprawl, pollution, transportation, land use, planning, and rehabilitation. Principal focus on the American metropolis. Prerequisite: Geog. 350 or permission of instructor.

Geog. 460 Geography of Trade and Transportation 3 (3-0-0) Fall or Spring, alternate years

A systematic analysis of the interdependence of man with the spatial framework of regions, nations and continents, and the necessity for efficient transportation and communication. Consideration is given to the forms of transportation employed in their relationship to physical barriers and possible future needs or changes.

Geog. 470 World Problems in Geography
1-3 (1,2,3-0-0) Fall or Spring, alternate years

Regional treatment of man-land, environmental, problems approved from the point-of-view of political geography, cultural geography or economic geography.

Geog. 487 Geography of Africa, South of the Sahara 3 (3-0-0) *

A systematic study of the basic features of Africa's physical, economic, and cultural geography; analysis of land use patterns, settlement problems, population distributions, political problems and potentials for economic development.

Geog. 490 Special Studies in Geography 3 (3-0-0) *

Studies and research in philosophy and methodology, seminars in the geographical aspects of contemporary problems, field projects involving current regional land use problems, field trips in geomorphology and economic geography.

Geog. 492 Field Studies or Field Methods in Geography 3 (3-0-0) *

Introduction to the tools and techniques of geographic field investigation. Observation, note-taking, classification and mapping based on original field work is experienced.

Geog. 498 Senior Seminar in Geography 3 (3-0-0) Fall or Spring

An overview of the nature, structure, content, concepts, techniques and methodologies of academic geography. Prerequisites: geography major with junior or senior class standing.

Geog. 499 Honors Course in Geography 3 (3-0-0) *

A prerequisite of 18 hours in upper-level geography with at least a B average. The course is designed for upper-division students who can qualify for independent research which will be conducted under the direction and supervision of a designated faculty member of the geography department.

Gamma Theta Upsilon. An honorary national professional fraternity. Membership is open to both men and women students who have completed at least six semester hours in geography with at least a 2.5 average, have declared an intent to major or minor in geography, and have an overall scholastic average of at least 2.25. It seeks to recognize ability and accomplishment in the field of geography and to promote geographical education.

Geology

Geol. 121 Physical Geology 3 (2-0-2) Fall

A study of the solid portion of the earth, the materials of which it is composed and the processes which are acting on it. Included are such topics as rocks and minerals, weathering and geologic structure.

Geol. 122 Historical Geology 3 (2-0-2) Spring

A study of earth history using the principles of Geol. 121. This includes theories of earth origin, fossils, geologic time and the various techniques used to unravel geologic history. Emphasis is placed on collection and interpretation of evidence gathered in the field and from library research.

Geol. 232 Mineralogy 3 (1-0-4) Spring, even-numbered years

A detailed study of minerals emphasizing their composition, origin, mode of occurrence, alteration, classification and identification. Prerequisite: one year of college chemistry, which may be taken concurrently.

Geog. 251 Paleontology 3 (1-0-4) *

A detailed study of the fossil remains of animals and plants. Special emphasis is given to the methods of studying fossils, the structures by which the fossils are identified, similarities of fossils to living organisms, and the scientific significance of fossils.

Geol. 352 Stratigraphy and Sedimentation
3 (2-0-2) Fall, odd-numbered years

An extensive study of the genesis and distribution of the sedimentary rocks and the reconstruction of the paleo-environment. Sedimentary processes and environments of deposition will be studied through detailed analysis of reference sections using the principles of correlation, facies changes, tectonics, and paleontology. Prerequisites: Geol. 251 or permission of instructor.

Geol. 372 Aerial Photo Interpretation
3 (2-0-2) Fall, even-numbered years

The interpretation of aerial photographs from a geologic standpoint. Emphasis will be placed on recognizing the underlying geologic structures. It is recommended that Geol. 121 be taken prior to or concurrently.

Geol. 412 Glacial Geology 3 (3-0-0)
Spring, odd-numbered years

An analytic study of glaciers and the Pleistocene epoch. The origins and mechanics of glacier motion and the landscape features produced during glaciation will be studied. Causes of ice ages and their distribution through geologic time and the methods of Pleistocene stratigraphy will also be considered. Prerequisite: Geol. 121.

Health and Physical Education

HPE. 100 Health (Personal and Community)
2 (2-0-0) Fall and Spring

Health education to include health services, health instruction and health environment dealing with contemporary principles, practices and concepts serving personal, family and community health. Includes individual counseling and guidance.

HPE. 101, 102, 203 Physical Education
1 (2-0-0) Fall and Spring

Emphasis on the development of fundamental skills in season activities for individual, dual and team sports. Participation in lifetime activities to include aquatics and various areas of dance. One credit per semester.

HPE. 310 Physical Education
3 (3-0-0) Fall and Spring

A comprehensive analysis of the physically, emotionally, and socially handicapped student. Includes selected activities and achievement standards in the field of health, physical education and athletics. These activities will be changed from year to year to assure that a progressive sequence of learning is present.

M. Club. Open to all men who have earned a varsity letter in one or more intercollegiate sports, this club aims to encourage wholesome living and good sportsmanship and to stimulate interest in athletics.

Women's Athletic Association. The Women's Athletic Association provides facilities to create and to develop interest in athletic and recreational activities which have a carryover value for worthy use of leisure time. Membership is open to all women students. It is a very active organization which operates solely in the interest of the women students.

History

The Bachelor of Arts program in history is designed for individuals who might wish to seek employment as a historian by federal and state governments, museums and archives, the Federal Bureau of Investigation or for a career in teaching on the college or university level. In the latter case advanced professional study leading to the M.A. and Ph.D. is required. The B.A. in history will enable the qualified student to enter graduate school in pursuance of these advanced degrees or to gain admission to law school. The history B.A. program will provide the undergraduate with a full understanding of the methods and concepts of historical investigation, an acquaintance with the various schools of historical interpretation and the necessary preparation for a successful and rewarding career as a professional historian.

Requirements for the B.A. degree in history: a total of 33-36 semester hours in history is required for a history major. During the first four semesters the potential history major is advised to include Hist. 101 and/or 102 and Hist. 201 and/or 202 in his schedule since at least one course from each group will be required to fulfill the major. The history major must also take Hist. 300 Historiography in his junior year. A minimum of 18 semester hours of upper-division history courses is required but no more than 12 semester hours should be in any one of the following areas: American, European or Third World (the emerging nations of Asia, Africa, Near and Middle East or Latin America). In addition, 3 semester hours are required in Third World history and 3 additional semester hours in Third World history or Third World social science courses (anthropology, geography or political science). Also required are 12 semester hours selected from course offerings in the social sciences (anthropology, economics, geography, political science, psychology, sociology).

For the B.S. in history-secondary education, the following departmentally-required courses in General Education must be completed: Hist. 101, 102, 201 and 202.

Upper division courses required for the B.S. in history-education include: Hist. 300 Historiography, taken in the junior year, Hist. 307, 365, 404, one upper division course in U. S. history, one in Third World (the emerging nations of Asia, Africa, the Middle and Near East or Latin America), and one in Third World history or Third World anthropology, geography or political science and one free history elective. A total of 33-36 semester hours of history is required to fulfill the secondary education history major. In addition, the student must take 21 semester hours in the social sciences; 12 semester hours are required, vis., anthropology or sociology, human geography, American politics, general psychology; 9 semester hours are free electives with no more than 6 in any one discipline.

Hist. 101 Western Civilization I
3 (3-0-0) Fall and Spring

A survey of significant ideas, events, and cultural developments in man's history from the emergence of ancient civilizations to early modern times. (circa 1660)

Hist. 102 Western Civilization II
3 (3-0-0) Fall and Spring

A continuation of History 101. From early modern times to the present.

Hist. 201 American History Through the Civil War 3 (3-0-0) Fall and Spring

A survey of American history from 17th century colonization to the period of revolution, independence, and formation of the federal union; nationalism, sectionalism and the growth of democracy in the 19th century to the Civil War.

Hist. 202 American History - Reconstruction to the Present 3 (3-0-0) Fall and Spring

A continuation of Hist. 201. Significant trends and events in the rise of the industrial-urban society; domestic and foreign development of an emerging world power; increasing international involvement and world leadership in an atomic era.

Hist. 280 History of Science 3 (3-0-0) Spring

The course will cover the history of science and its effect on the progress of mankind. The beginnings of science in the early civilizations and Greco-Roman days will provide a foundation for the development of science in the Modern Era. While the emphasis will be on Western Europe, Asian developments will be related to the overall situation. An important aspect of the course will be the relationship between theory and the technological application of science. Prerequisites: Hist. 101-102 and/or permission of instructor.

Hist. 287 History of the Far East 3 (3-0-0) Fall

Traditional cultures and institutions of China, Japan, Korea, and Southeast Asia; the role of Western powers in their development; post-war changes, United States foreign policy in relation to the Far East; the emergence of Communist China. Prerequisites: A course in modern European history or permission of instructor.

Hist. 300 Historiography 3 (3-0-0) Fall

An examination of the development of historical thought as written and illustrated by historians representative of various cultures, periods and schools. Evaluating and comparing the methods of history and historians for meaningful interpretations will be emphasized. Required for all history majors. Prerequisite: junior standing.

Hist. 301 History of Colonial America to 1763 3 (3-0-0) Fall, odd-numbered years

A study of the exploration and settlement of North America with special emphasis on the 13 English colonies. The various political, social, and economic developments in the American colonies before 1763 will be examined. Prerequisite: Hist. 201 or permission of instructor.

Hist. 302 The Revolution and Early National Period 1763-1800 3 (3-0-0) Spring, even-numbered years

Special emphases of the course will be on the movement for American independence and events during the Revolutionary War and early national period of the 1790's. Prerequisite: Hist. 201 or permission of the instructor.

Hist. 303 The National Period, 1800-1848 3 (3-0-0) Fall, even-numbered years

Analysis of the development of the United States as a new nation with emphasis upon the major social, political, economic and diplomatic events of the period. Prerequisite: Hist. 201 or permission of instructor.

Hist. 304 History of the Civil War and Reconstruction 3 (3-0-0) Spring

The background of sectional controversy; constitutional issues, secession and military conflict; the aftermath of war, North and South, with particular emphasis on political development in the period of reconstruction ending in 1877. Prerequisites: Hist. 201, 202 or permission of instructor.

Hist. 305 Populism & Progressivism in American History 3 (3-0-0) Spring, odd-numbered years

An analytical study of two great American reform movements as they related to the Gilded Age, the Spanish-American war, and World War I. Major emphasis will be given to the administrations of Theodore Roosevelt and Woodrow Wilson. Prerequisite: Hist. 202 or permission of instructor.

Hist. 306, 307 Twentieth Century United States History 3 (3-0-0), 3 (3-0-0) Fall and Spring

The impact on the American people of the problems created by continuing industrialization at home and continued involvement in a chaotic world. First semester, 1914-1945; second semester 1945 to the present. Prerequisite: Hist. 202 or permission of instructor.

Hist. 340, 341 The Ancient World 3 (3-0-0), 3 (3-0-0) Fall and Spring, even-numbered years

A study of the history and culture of the ancient civilizations to the breakup of Alexander the Great's empire. Second semester deals with the history of Rome to 476 A.D. Prerequisite: Hist. 101 or permission of instructor.

Hist. 344, 345 History of Medieval Europe 3 (3-0-0), 3 (3-0-0) Fall and Spring, odd-numbered years

The political, socio-economic and cultural development of the civilization of Medieval Europe from the fall of Rome to the Crusades. Second semester deals with the Medieval synthesis in the High Middle Ages. Prerequisite: Hist. 101 or permission of instructor.

Hist. 346 Renaissance and Reformation 3 (3-0-0) Fall, even-numbered years

Examination of the political, social, economic and cultural forces involved in the transition from medieval to modern Western society with particular attention to the rise of national states and the growth of individualism. Prerequisite: Hist. 101 or permission of instructor.

Hist. 350, 351 History of England 3 (3-0-0), 3 (3-0-0) Fall and Spring, even-numbered years

A survey of the political and constitutional, social, intellectual and economic history of the British people from early times to the present. First semester, early times to 1485; second semester 1485 to the present. Prerequisites: Hist. 101, 102 or consent of instructor.

Hist. 358, 359 Russia: A History from its Origins to the Revolution of 1917 3 (3-0-0), 3 (3-0-0) Fall and Spring, odd-numbered years

An overall view of significant and recurring themes in Russian history up to 1917, with close analysis of the substance, form and nature of the thousand-year course of Russian history. Comparison of the development of Russia with that of other states and an examination of the essential roots underlying the modern Soviet state. First semester to 1725; second semester 1725 to 1919. Prerequisites: 358, Hist. 101 or 102 or permission of instructor; 359, Hist. 101, 102 and 358 or permission of instructor.

Hist. 360, 361 Early Modern Europe 3 (3-0-0) Fall and Spring, odd-numbered years

A study of the major forces shaping the political, social, intellectual and cultural history of Europe in the 17th and 18th centuries. First semester 17th century; second semester 18th century. Prerequisite: Hist. 102 or permission of instructor.

Hist. 362, 363 Europe in the Nineteenth Century 3 (3-0-0) Fall and Spring, even-numbered years

A study of the social, political, economic and cultural developments of Europe from the Congress of Vienna to World War I with special emphasis upon the Concert system, socialism and Communism, revolution, the alliance system, nationalism and imperialism. First semester, 1815 to 1870; second semester, 1870-1914. Prerequisite: Hist. 102 or permission of instructor.

Hist. 364, 365 Europe in the Twentieth Century 3 (3-0-0) Fall and Spring

A study of political, economic and cultural developments in Europe during the twentieth century with particular attention to the factors involved in the two World Wars and their global impact and significance. First semester, 1914-1939; second semester, World War II and its aftermath. Prerequisite: Hist. 102 or permission of instructor.

Hist. 375, 376 History of Latin America 3 (3-0-0) Fall and Spring, even-numbered years

A synthesis and interpretation of the principal factors in the development of Latin American nations. First semester covers the colonial era; second semester surveys the national period, foreign relations, conditions and problems in the twentieth century. Prerequisite: junior standing or permission of instructor.

Hist. 385 History of the Middle East 3 (3-0-0) Fall, even-numbered years

The major political, economic and cultural features of the Middle East, with particular emphasis on modern colonialism in the area; Zionism, the rise of the Arab States; contemporary relations with other nations of the world. Prerequisite: junior standing or permission of instructor.

Hist. 386 History of Southeast Asia 3 (3-0-0) Spring, odd-numbered years

A survey in the histories of peoples and states of Southeast Asia; Burma, Thailand, Cambodia, Laos, Vietnam, Malaysia, Indonesia and the Phillipines. The course covers the history of Southeast Asia from the Portuguese impact in the 16th century to the influence of the United States in the 20th century. Southeast Asia is examined in the age of imperialism, colonialism, nationalism and independence. Prerequisite: junior standing or permission of instructor.

Hist. 401 History of Pennsylvania 3 (3-0-0) Fall, even-numbered years and summer school.

A study of the founding and development of Pennsylvania; social, political and economic characteristics of the Commonwealth, the diversity of its people, their contributions to the nation. Prerequisites: one course in American history or permission of instructor.

Hist. 402, 403 Diplomatic History of the United States 3 (3-0-0) Fall and Spring, odd-numbered years

History of American foreign relations from the Revolution to the present; exploration of underlying concepts and other influencing factors in American diplomatic negotiations. First semester, from the Revolution through the Spanish-American war; second semester, the twentieth century. Prerequisites: Hist. 201, 202 or permission of instructor.

Hist. 404 History of the Negro in America 3 (3-0-0) *

The course will concentrate upon the African origins of the Negro and the slave trade. The background of the Civil War and its aftermath which led to the present civil rights struggle will be discussed in depth along with Negro leaders of the time. Prerequisites: Hist. 201, 202 or permission of instructor.

Hist. 405, 406 The Westward Movement in America 3 (3-0-0), 3 (3-0-0) Fall and Spring, odd-numbered years

Discussion of the settlement of the various geographic areas comprising the United States and the influence of westward expansion on the political, social and economic development of the American people. First semester, the westward movement east of the Mississippi River; second semester, the trans-Mississippi West. Prerequisites: Hist. 201, 202 or permission of instructor.

Hist. 407, 408 American Intellectual History 3 (3-0-0) Fall and Spring, even-numbered years

A survey of the history of ideas in America from Colonial times to the present; emphasis is upon Puritanism, the American Enlightenment, Romantics, Social Darwinism, pragmatism, progressivism, literary realism and more recent concepts within twentieth century economic and social thought. First semester, to 1865; second semester, from 1865. Prerequisites: Hist. 407, Hist. 201 or permission of instructor; Hist. 408, Hist. 202 or permission of instructor.

Hist. 451 French Revolution and Napoleon 3 (3-0-0) Spring, even-numbered years

A study of the causes, course and impact of the French Revolution and Napoleon on France and Europe from 1789 to 1815. Prerequisite: Hist. 102 or permission of instructor.

Hist. 455, 456 History of Modern Germany 3 (3-0-0), 3 (3-0-0) Fall and Spring, odd-numbered years

Consideration of the forces of unity in late 18th and 19th century Germany and the Bismarckian accomplishment of 1870; the second semester deals with Imperial, Weimar and Nazi Germany and the causes for Germany's militant search for a place in the sun. Prerequisite: Hist. 102 or permission of instructor.

Hist. 458 The Soviet Union 3 (3-0-0) Fall, even-numbered years

A history of the Bolshevik Revolution and the founding of the Soviet Union, emphasis is on the internal and external factors involved in world Communism and Soviet power policies. Prerequisites: Hist. 102 and 358 or permission of instructor.

Hist. 466 Economic and Social History of Europe 3 (3-0-0) Fall odd-numbered years

Economic impact and dislocations leading to social changes in European society resulting from the industrial revolution, imperialism, two world wars, Russian Revolution, Fascism, the great depression and the Cold War. Prerequisites: Hist. 102 and 3 credit hours in Economics.

Hist. 475 Diplomatic History of Latin America 3 (3-0-0) *

A study of the cultural and intellectual history of Latin America. Emphasis is placed on those developments during the colonial and modern periods which have shaped the cultural and intellectual character of modern-day Latin America. Prerequisite: Hist. 375 or 376 or permission of instructor.

Hist. 495 This course is designed to provide a program of special study for superior students in history. Qualified senior history majors would work under the guidance of members of the History faculty in an in-depth reading program on a topic selected by the student and approved by the department. Normally an extensive research paper and written examinations will be included in the course. Prerequisites: a three quality-point average in History course work; Hist. 300.

Home Economics

Home Economics Education is an applied field of professional study. In the undergraduate program the body of knowledge is concerned with the study of the humanities, pure and applied sciences, development of theoretical bases, acquisition of skills related to maintaining, improving, and enhancing home and family living, with professional studies and practices which result in qualified and certified teachers of home economics.

At Mansfield State College studies in General Education, professional preparation and home economics are blended into a program covering four years with completion of General Education requirements during the first two years for the most part, or lower division. Also, during the first two years students complete approximately seventeen semester hours in home economics course work. The remainder of the home economics course work (25 semester hours) and professional courses (28 semester hours) are completed during the last two years, or upper division.

A thread which permeates home economics courses at Mansfield State College deals with training for the occupational aspects of the teaching of home economics at the secondary level. Consequently, the home economics program at Mansfield State College prepares teachers of home economics for teaching purposeful, gainful and enrichment programs at all levels.

One summer during the college career, preferably between the sophomore and junior, or junior and senior years, home economics students at Mansfield plan and execute a work experience designed to prepare them for teaching in occupational programs.

Home economics students, having achieved a B average, may elect to spend one semester during the junior or senior year at the Merrill-Palmer Institute of Human Development and Family Life in Detroit, Michigan.

Home economics students transferring to Mansfield State College will be required to take at least one course at Mansfield in each of the five areas of home economics. These five areas are: housing and home furnishings; child development and family relations; home management and family economics; foods and nutrition; and clothing and textiles.

Courses recommended for the first four semesters are: Ma. 101 or Ma. 102; Bio. 101; Psy. 100; Chem. 101 and 102; H.Ec. 100, 102, 103, 215, 216 and 224.

The Home Economics Education curriculum requirements are: H.Ec. 102 Textiles, H.Ec. 103 Fundamentals of Clothing, H.Ec. 215 Foods and Nutrition I, H.Ec. 216 Foods and Nutrition II, H.Ec. 224 Home Management and Household Equipment, H.Ec. 301 Intermediate Clothing, H.Ec. 302 Tailoring, H.Ec. 403 Flat Pattern Designing, H.Ec. 404 Draping, H.Ec. 321 Consumer Economics and Family Finance, H.Ec. 323 Housing and Home Furnishings, H.Ec. 331 Child Development and Nursery School, H.Ec. 335 Family Relations, H.Ec. 401 Home Management Residence, and six hours in Home Economics electives. A total of 42 credit hours.

Non-home-economics majors are welcome in H.Ec. 210 Social Usage and H.Ec. 335 Family Relations. All other home economics courses are for home economics majors. However, non-majors may register for any home economics course with prior approval by the instructor and the Home Economics Department Chairman.

HEc. 100 Home Economics Orientation
1 (1-0-0) Fall and Spring

Survey of home economics philosophy and professional orientation. Emphasizes historical and sociological development of the family as the core of home economics.

HEc. 102 Textiles 2 (1-0-1)
Fall and Spring

A study of the chemical and physical properties of fibers, the construction of yarns, the construction of fabrics and the finishes used on fabrics. This course is oriented to the student who has little knowledge of chemistry.

HEc. 103 Fundamentals of Clothing
4 (2-0-4) Fall, Spring and Summer

An introduction to the psychological, sociological, and economic aspects of clothing, to the principles of clothing selection, to the variety of construction methods, and to the methods of fitting garments.

HEc. 210 Social Usage 1 (1-0-0)
Fall and Spring

Essentials of good manners and accepted standards of conduct in professional and social situations.

HEc. 215 Foods and Nutrition I
4 (2-0-4) Fall

The application of physical and chemical principles as related to the selection, preparation and preservation of food. A study of the basic food groups and assessment of students' dietary habits.

HEc. 216 Foods and Nutrition II
4 (2-0-4) Spring

Consumer education in food production, supply, marketing, and budgeting; styles of meal service, practice in meal-time management and etiquette; consideration of means of supplying nutrient needs as related to needs of various age groups. Prerequisites: HEc. 215 or consent of instructor.

HEc. 224 Home Management and Household Equipment 3 (2-0-0)
Fall and Spring

Selection, use and care of home equipment; the management of individual and family resources as related to human needs, values, and goals throughout the life cycle of the family.

HEc. 301 Intermediate Clothing 3 (1-0-4)
Fall and Spring

A further study of construction skills and techniques as they relate to fabrics. Special consideration is given to fitting garments.

HEc. 302 Tailoring 3 (1-0-4)
Fall and Spring

The major emphasis is placed on the difference between custom and speed tailoring, and the selection of tailoring fabrics and their relationship to design. Tailoring construction techniques are related to individual problems. Prerequisite: HEc. 301 or a construction grade of B in HEc. 103.

HEc. 321 Consumer Economics and Family Finance 3 (3-0-0) Fall and Spring

Principles of economics affecting consumer choice; status symbols, custom, advertising. Stresses family decisions; budgeting, "best buys", insurance, saving and credit. Introduces the individual and family to consumer aids which protect the consumer against fraud, misleading information and irregular practices.

HEc. 323 Housing and Home Furnishings 3 (2-0-2) Fall and Spring

Aesthetic, economic, physical, psychological and sociological effect of housing on the family. Relates the above principles to activity, space, design, equipment, materials and major elements of the home; including walls, windows, floors, furniture and utilities. Laboratory experience and field trips.

HEc. 331 Child Development and Nursery School 4 (3-0-4) Fall and Spring

A study of the behavior and development of the child from birth to six years. Emphasis on pattern of development, individual differences, and the role of the parent or teacher in facilitating optimal development. Includes observation and participation in the home economics nursery school.

HEc. 335 Family Relations 3 (3-0-0) Fall, Spring and Summer

A study of the family throughout the life cycle including a brief historical overview of the family; emphasizes the life styles of contemporary families, influences of values in society upon family life, and issues affecting individuals and families in their relationships. Utilizes current research findings.

HEc. 340 The Adolescent 3 (3-0-0) Fall, Spring and Summer

A study of adolescents and their development in relation to self, family, education, and the social order, with emphasis on their characteristics and needs; examination of issues affecting adolescents; factors of competency which contribute to providing effective teaching-learning processes for adolescents.

HEc. 390 The Teaching of Home Economics 5 (5-0-0) Fall and Spring

Includes an overview of organization and administration of the home economics program with specific experiences in methods of teaching, evaluation and planning of curriculum for the secondary level, and consideration of curriculum for various levels served through public schools. Emphasis is placed on the major goals of home economics education at the secondary level for home and family living and for related occupations. Prerequisites: Psy. 230, HEc. 340.

Ed. (HEc.) 400 Student Teaching and Related Activities 12
Fall and Spring

The student teacher lives in the community and teaches in a home economics department which offers broad areas of home economics. Instruction is under the supervision of the local cooperating teacher and the college home economics education supervisor. A seminar at the end of the semester provides for further study and help with professional problems and an exchange of ideas and experiences. Prerequisite: HEc. 390.

HEc. 401 Home Management (Residence)
3 (0-0-9) Fall, Spring and Summer

Students experience home living as a family group. Emphasizes management ability, human values and relationships. Prerequisites: HEc. 215, HEc. 216, and HEc. 224.

3 (3-0-0) Fall, Spring and Summer

For students who have been married and managed a home for at least four years prior to registering for HEc. 401, an alternate course is offered. Student completes projects in management apropos to her particular living situation.

HEc. 403 Flat Pattern Designing
3 (1-0-4) Fall and Spring

Flat pattern methods are used to develop the ability to create new patterns, alter commercial patterns, apply principles of fitting, and to appreciate the fundamental use of grain. Prerequisite: HEc. 301, or a construction grade of B in HEc. 103.

HEc. 404 Draping 3 (1-0-4)
Fall and Spring

Draping methods are used in the creation of designs for individual construction using basic techniques, variations in basic designs, original ideas and expression of one's designs. Prerequisite: HEc. 301, or a construction grade of B in HEc. 103.

HEc. 405 Textile Analysis 3 (1-0-4)
Fall or Spring, alternate years

A physical, chemical, and microscopic analysis of textiles, with emphasis on the problems of the consumer. Prerequisites: Chem. 101 and 102, and Textiles 102 or equivalent.

HEc. 417 Survey of Nutrition
3 (2-0-2) Fall or Spring

Chemistry of nutrients, metabolism, and normal nutrition needs at various stages of the life cycle. Laboratory work related to food composition and effects of various types of preparation upon ultimate nutrient supply. Current research, food fads and fallacies and consumer protection highlighted. Prerequisite: eight credit hours in foods and nutrition or consent of instructor.

HEc. 418 Advanced Foods
3 (2-0-2) Fall and Spring

An extension of the principles of food preparation. The selection and service of food, considering aesthetic and cultural implications, for various occasions. Presentation and evaluation of food demonstrations. Prerequisite: eight credit hours in foods and nutrition or consent of instructor.

HEc. 419 Advanced Child Development
3 (3-0-0)
Fall or Spring, alternate years

Advanced study in child development with emphasis on current research and readings dealing with children.

HEc. 420 Diet Therapy
3 (2-0-2) Spring

The study of diet problems encountered at all points of the life cycle. Consideration of metabolism in disease; adapting diet to meet diseased or abnormal metabolic patterns in humans. Special diets will be examined and evaluated. Prerequisite: eight semester hours of chemistry, eight semester hours of foods and nutrition or consent of instructor.

HEc. 422 Special Problems in Home Economics
1-4 * Fall, Spring, Summer

Individual investigation of problems related to teaching Home Economics in the secondary school or at other levels in any of the areas studied in home economics such as child de-

velopment, family finance, food and nutrition, clothing and textiles, housing and home management. Consent of instructor.

HEc. 423—Advanced Home Furnishings
3 (2-0-2) Fall and Spring

Subject matter is drawn from the study of interior design: walls, floors and ceilings as backgrounds; furniture selection and styles; contemporary lighting; decorative textiles; floor coverings. Interrelationships of environment and personal taste and personality. Laboratory experience includes the professional procedure in presenting plans to clients with perspective drawings, fabric and color collage, floor plan and family analysis. Prerequisite: HEc. 323.

HEc. 455 Current Trends and Recent Development in Home Economics
3 (3-0-0) Summer

Analysis and interpretation of the sociological, technological, and economic changes occurring in our society and how these affect the home economics curriculum; with special emphasis on the integration of these into the curriculum. Must have senior standing or consent of instructor.

Kappa Omicron Phi. A national honorary home economics sorority. Members are selected on the basis of scholarship, professional attitude, and character. The number may not exceed 20 per cent of the enrollment. The aim of Kappa Omicron Phi is to develop women with higher ideals of sane living, with deeper appreciation of the sanctity of the American home, with broader social and higher intellectual and cultural attainments.

Omicron Gamma Pi. This organization is for all home economics students and holds monthly meetings consisting of lectures, reports and news in the home economics field. The organization keeps in close touch with related national activities.

Languages

Educational objectives of the Language Department are so structured as to meet the needs of students going into either teacher education or liberal arts.

Briefly, the Language Department provides instruction to meet the needs of students who wish to build a liberal education around the study of a foreign language and its culture, develop language competence for comprehension, speaking, reading and writing, teach in public or private schools, prepare for graduate study, enter the federal government services, private business, non-governmental organizations, and other areas requiring knowledge of a foreign language.

Requirements for the language major are: Intermediate (French, German, Spanish) 201, 202 (qualified students may substitute more advanced courses for language 201, 202); Conversation and Civilization 300 (Spanish majors must also elect Span. 306 or 307 if they are in the secondary-education program); Advanced Structure 320; Survey of Literature 330, 331 — for a total of 18 credit hours and 12 credit hours in language and literature electives.

If a student elects a language beginning at the elementary level, this **must** be considered a twelve credit group if chosen as a primary group. If he begins at the intermediate level, he may complete only the intermediate year and consider this a primary group. He may (in addition to intermediate) take an advanced year and likewise consider it a twelve-credit group.

In addition to the scheduled three class meetings, all introductory and intermediate language students are required to spend at least two periods per week in the language laboratory.

French

Fr. 101 Introductory French
3 (3-0-2) Fall and Spring

For students who have not previously studied French. Elements of grammar and reading, intensive drill in pronunciation, aural comprehension and speaking. Language lab attendance required twice a week.

Fr. 102 Introductory French
3 (3-0-2) Fall and Spring

Continuation of Fr. 101. Prerequisite: one year of secondary school French or Fr. 101 or its equivalent. Language lab attendance required twice a week.

Fr. 201 Intermediate French
3 (3-0-2) Fall and Spring

Independent reading, grammar review and further practice in aural comprehension and speaking. Prerequisite: two years of secondary-school French or one year of college French. Language lab attendance required twice a week.

Fr. 202 Intermediate French
3 (3-0-2) Fall and Spring

Continuation of Fr. 201. Prerequisite: three years of secondary-school French or Fr. 201. Language lab attendance required twice a week.

Fr. 300 Conversational French and Civilization 3 (3-0-2) Fall

Intensive practice in oral French intended for students interested in developing a higher degree of fluency. Emphasis on topics of cultural, social, economic and political nature. May be taken concurrently with Fr. 202 upon recommendation of the instructor. Required of French majors.

Ed. 300 The Teaching of French
3 (3-0-0) Fall and Spring

A study of the teaching of French with an emphasis on the problems, methods and materials associated with language teaching. Prerequisite: junior standing. Required of all French majors in teacher education programs.

Fr. 305 Advanced French Conversation
3 (3-0-2) Spring

An intensive training in oral self-expression for the student who desires a still higher degree of fluency. Specially programmed topics for each class session will be assigned, with emphasis on encouraging the students to carry on discussion in more detail and at greater length. Prerequisite: Fr. 300.

Fr. 320 Advanced French Structure
3 (3-0-0) Fall

The study and practical application of the structural patterns of French with concentration on the phonology, morphology and syntax of the language. Prerequisite: completion of Fr. 202 or equivalent training. Required of French majors.

Fr. 330 Survey of French Literature
3 (3-0-0) Fall

Selected readings in the works of major French writers through the eighteenth century, outside reading and reports in French; consideration of literary movements, style and form. Prerequisite: Fr. 202 or equivalent training. Required of French majors.

Fr. 331 Survey of French Literature
3 (3-0-0) Spring

Selected readings in the works of major French writers since 1800; outside reading and reports in French; consideration of literary movements, style and form. Prerequisite: Fr. 202 or equivalent training; Fr. 330 also recommended. Required of French majors.

Fr. 340 French Classical Literature
3 (3-0-0) Fall

Critical readings and discussion of the major dramatic works of Corneille, Moliere and Racine with supplementary reading on general background. Prerequisite: Fr. 330 and 331.

Fr. 341 French Literature of the Enlightenment 3 (3-0-0) Fall

Reading and discussion of the works of Voltaire, Rousseau and Diderot. Prerequisite: Fr. 330 and 331.

Fr. 342 Currents in Nineteenth Century French Literature
3 (3-0-0) Spring

The works of French authors as well as the main currents and form of literary expression from the beginning of romanticism to the end of the century: Hugo, Balzac, Stendhal, Flaubert, Zola. Prerequisites: Fr. 330 and 331.

Fr. 343 Aspects of Twentieth Century French Literature 3 (3-0-0) Fall

Discussion of literary currents of the twentieth century. Metamorphoses of the novel: Proust, Malraux, Sartre, Camus. Prerequisites: Fr. 330 and 331.

Fr. 350 Development of French Poetry
3 (3-0-0) Spring

A study of the works of major poets from a number of literary periods. Various critical approaches will be used and discussed. Individual oral and written reports. Prerequisites: Fr. 330 and 331.

Fr. 355 French Contemporary Theatre
3 (3-0-0) Spring

Reading and discussion of selected works of major twentieth century French playwrights: Cocteau, Sartre, Giraudoux, Anouilh, Camus, Becket, Ionesco. Prerequisites: Fr. 330 and 331.

Fr. 370-380 Foreign Study
Credit Arranged *

Open to students who wish to continue the study of French abroad. Plans for foreign study should be presented and approved two semesters prior to departure. Number of credit hours granted will be based on validated credentials presented to the department for foreign study. Regular periodic reports must be made during the student's residence abroad.

Fr. 400 Senior Seminar
Credit Arranged

Special study projects in French language and literature; independent reading in the defined areas followed by written analytical reports in French. Open to seniors and in exceptional cases to juniors.

Fr. 405 Honors Course for French Majors
Credit Arranged

An individual problems course. Open to qualified seniors with consent of the department.

NOTE: Major students are required to complete 30 credit hours in French at intermediate and advanced levels including Fr. 300, 320, 330 and 331. Ed. 300 is not considered as part of the 30 hours.

Pi Delta Phi. Pi Delta Phi is a national French honorary society. It recognizes excellence in the study of French and promotes the study of French culture. In order to qualify for membership, a student must have a "B" average in French, have an over-all scholastic average of 2.7 and have completed French 202.

German

Ger. 101 Introductory German
3 (3-0-2) Fall and Spring

For students who have not previously studied German. Elements of grammar and reading, intensive drill in pronunciation, aural comprehension and speaking. Language lab attendance is required twice weekly.

Ger. 102 Introductory German
3 (3-0-2) Fall and Spring

Continuation of German 101. Prerequisite: completion of Ger. 101 or equivalent competence. Language lab attendance is required twice weekly.

Ger. 201 Intermediate German
3 (3-0-2) Fall and Spring

A review of the structure of the German language with a view to improving the skills of aural comprehension, speaking, reading and writing. Prerequisite: completion of Ger. 102 or equivalent competence. Language lab attendance is required twice weekly.

Ger. 202 Intermediate German
3 (3-0-2) Fall and Spring

A continuation of German 201 with emphasis on the further development of the skills, basing such development upon readings taken from actual literary and cultural selections. Prerequisites: completion of Ger. 201 or equivalent competence. Language lab attendance is required twice weekly.

Ger. 300 Conversational German and Civilization 3 (3-0-2) Fall

Intensive practice in oral German intended for students interested in developing a higher degree of fluency in the language. Emphasis on topics of cultural, social, economic and political nature. May be pursued concurrently with Ger. 202 upon recommendation of the instructor. Required of all German majors.

Ed. 300 The Teaching of Language (German)
3 (0-3-0) Spring (Fall, 1971)

A study of the teaching of German with emphasis on the problems, methods and materials associated with language teaching. Prerequisites: junior standing. Required of all German majors in teacher education program. (This is a requirement for teacher certification and credits so derived do not apply toward the major in German.)

Ger. 305 Advanced German Conversation
3 (3-0-2) Spring

An intensive training in oral self-expression for the student who desires a still higher degree of fluency. Specially programmed topics for each class session will be assigned, with emphasis on encouraging the student to carry on discussion in more detail and at greater length. Prerequisite: Ger. 300 or equivalent competence.

Ger. 320 Advanced German Structure
3 (3-0-0) Fall

The study and practical application of the structural patterns of German with concentration on the phonology, morphology and syntax of the language. Prerequisite: completion of Ger. 202 or equivalent competence. Required of all German majors.

Ger. 321 Composition and Stylistics
3 (3-0-0) Spring

Concentration on the development of self-expression in the written skills. Emphasis on synonymic development of expression and stylistic writing. Frequent written assignments, as well as at least one significant major assignment of a critical nature will be presented. This course is intended for all German majors and especially for those who intend to teach German or pursue graduate work.

Ger. 330 Survey of German Literature I
3 (3-0-0) Fall

This course is designed to acquaint the student with some of the major literary movements and representative writers from 1750 to the present. Prerequisites: completion of Ger. 202 or equivalent preparation. Required of all German majors.

Ger. 331 Survey of German Literature II
3 (3-0-0) Spring

Sequel to Ger. 330. The earliest periods of German literature from 800 to 1750. Prerequisites: completion of Ger. 202 or equivalent competence; Ger. 330 recommended. Required of all German majors.

Ger. 340 German Literature of the 18th Century 3 (3-0-0) Spring

Concentration in the major movements; Aufklarung, Rationalismus, Sturm und Drang, Klassik. Prerequisite: Ger. 331.

Ger. 341 German Literature of the 19th Century 3 (3-0-0) Fall

Primary emphasis given to the major movements: Spatklassik, Romantik, Realismus, Naturalismus. Prerequisite: Ger. 330.

Ger. 342 German Literature of the 20th Century 3 (3-0-0) Spring

A study of representative works and authors from Impressionismus to the present. A sizeable concentration will be placed on post WW II literature and current trends in literature. Prerequisite: Ger. 330.

Ger. 350 German Lyric Poetry
3 (3-0-0)
Fall, alternate years (1971)

The evolution of German lyric expression treating major poets from the significant epochs of German literature from the Middle Ages to the present. Prerequisite: Ger. 330, 331.

Ger. 355 The German Novel
3 (3-0-0)
Fall, alternate years (1972)

A study of the novel as the longer form of literary prose. Readings of typical works and authors from significant periods. Prerequisites: Ger. 330, 331.

Ger. 356 Novelle
3 (3-0-0)
Spring, alternate years (1972)

A study of the "Novelle" as an important form of German prose fiction, whose development is to be followed from its emergence in German literature (Age of Goethe) to the present. Reading and discussion of representative works and authors in the major periods. Outside research and written as well as oral reports required. Prerequisites: Ger. 330, 331.

Ger. 370-380 Foreign Study
Credit Arranged

Open to students who wish to continue the study of German abroad. Plans for foreign study should be presented two semesters prior to departure and should be approved by the department chairman. Number of credits granted will be based upon validated credentials presented to the department. Regular periodic reports must be made during the student's residence abroad.

Ger. 400 Senior Seminar
Credit Arranged

Selected topics. Open to seniors and in exceptional cases to juniors. Prerequisites: German major with advanced standing and permission of instructor.

Delta Phi Alpha. Delta Phi Alpha is a national German honorary fraternity which seeks to recognize excellence in the study of German and to provide an incentive for higher scholarship. In order to qualify for membership a student must have a minimum of two years of college German or its equivalent with the attainment of sophomore standing.

Spanish

Span. 101 Introductory Spanish
3 (3-0-2) Fall and Spring

For students who have not previously studied Spanish. Fundamentals of grammar, intensive drill in pronunciation, comprehension and speaking. Two hours a week are required in the language lab.

Span. 102 Introductory Spanish
3 (0-3-0) Fall and Spring

Continuation of Spanish 101. Prerequisite: Span. 101 or two years of secondary school Spanish or its equivalent. Two hours a week are required in the language lab.

Span. 201 Intermediate Spanish
3 (3-0-2) Fall and Spring

Intensive grammar review. Practice in comprehension and in the use of the written and spoken language. Prerequisite: Spanish 102 or its equivalent. Two hours a week are required in the language lab.

Span. 202 Intermediate Spanish
3 (3-0-2) Fall and Spring

Continuation of Span. 201. Prerequisite: Span. 201 or its equivalent. Two hours a week are required in the language lab.

Span. 300 Spanish Conservation
3 (3-0-2) Fall

Training in oral self-expression. Selected topics are assigned for each class with the purpose of encouraging students to express themselves in Spanish. Prerequisite: Span. 202 or may be taken concurrently with Span. 202 with consent of instructor. Required of Spanish majors.

Ed. 300 The Teaching of Spanish
3 (3-0-0) Fall and Spring

A study of the teaching of Spanish with an emphasis on the problems, methods and materials associated with language teaching. Prerequisite: junior standing. Required of all Spanish majors in teacher education programs.

Span. 305 Advanced Spanish Conservation
3 (3-0-2) Spring

Continuation of Spanish 300. A more intensive study of idiomatic Spanish and its application to current happenings. The class is conducted entirely in Spanish. Prerequisite: Span. 300 or may be taken concurrently with Span. 202 with consent of instructor.

Span. 306 Civilization and Culture of Spain
3 (3-0-0) Fall

History of the customs and institutions of Spain as considered by historians and men of letters. Emphasis will be given to social, political, economic and cultural problems and patterns. Prerequisite: Span. 202 or the equivalent.

Span. 307 The Culture and Civilization of Latin America
3 (3-0-0) Spring

A study of the history, customs, culture and politics of Latin America. The overall study will be segmented into brief examinations of the individual countries. Prerequisite: Span. 202 or its equivalent. Note: A Spanish major may satisfy the requirements with either Span. 306 or Span. 307, depending on the area of greater interest.

Span. 320 Advanced Spanish Literature
3 (3-0-0) Fall

Study and practical application of the structural patterns of Spanish: emphasis on syntax, morphology and phonology. Prerequisite: completion of Span. 202 or its equivalent. Required of all Spanish majors.

Span. 330 Survey of Spanish Literature
3 (3-0-0) Fall

Reading and examination of principal writers of Spain, with attention given to literature movements, historical backgrounds, style and form. Outside reading in Spanish assigned. Prerequisite: Span. 202 or the equivalent. Required of Spanish majors.

Span. 331 Survey of Spanish Literature
3 (3-0-0) Spring
Continuation of Span. 330. Required of Spanish majors.

Span. 340 Spanish-American Literature
3 (3-0-0) Fall
A study of major writers and literary movements, supplementary reading and reports in Spanish. Prerequisites: Span. 330, 331.

Span. 341 Spanish-American Literature
3 (3-0-0) Spring
Continuation of Spanish 340.

Span. 342 Novel of the Golden Age
3 (3-0-0)
Fall, alternate years (1971)
Development of the Spanish novel during the sixteenth and seventeenth centuries is studied through the reading of **Don Quijote.** Examples of all types of preceding novels appear in **Don Quijote** and are discussed and explained as they arise. Prerequisite: Span. 330, 331. Note: to be offered in alternate years with Span. 344.

Span. 343 Theatre of the Golden Age
3 (3-0-0) Spring, alternate years (1972)
A study of the representative dramatists of Spain's Golden Age. Included are: Cervantes, Tirso de Molino, Calderon de la Barca, Lope de Vega, Castro, Alarcon. Prerequisites: Span. 330, 331. Note: to be offered in alternate years with Span. 345.

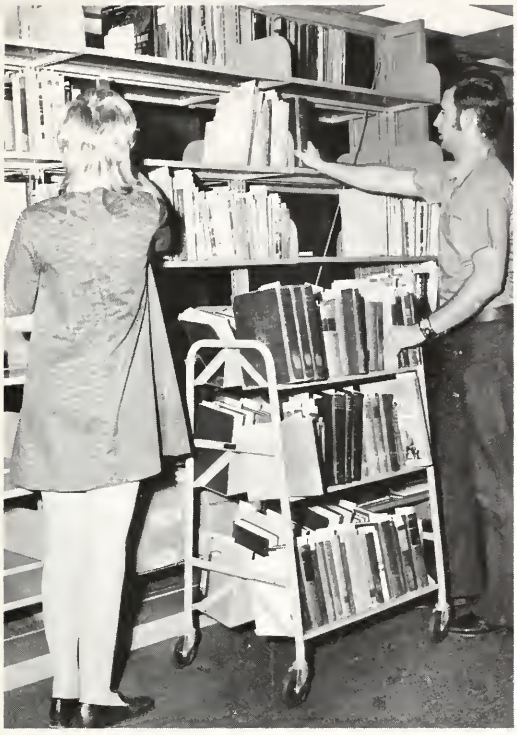
Span. 344 Modern Spanish Novel and Poetry
3 (3-0-0) Fall, alternate years (1972)
A study is made of the various literary movements: the novel of customs, romanticism, realism and naturalism: Fernan Caballero, Duque de Rivas, Bequer, Galdos, P. Bazan, Unamuno, Antonio Machado, Cela, Matute. Prerequisite: Span. 330, 331. Note: to be offered in alternate years with Span. 342.

Span. 345 Modern Spanish Theatre
3 (3-0-0) Spring, alternate years (1973)
A study of the works of major Spanish dramatists since 1800. Analysis and consideration of literary movements, form and style. Among the plays to be examined are works by Duque de Rivas, Zorrilla, Echegaray, Benevente, Casona, Garcia, Lorca, Buero Vallejo and others. Prerequisite: Span. 330, 331 or the equivalent. Note: to be offered in alternate years with Span. 343.

Span. 400 Senior Seminar
Credit Arranged
Selected topics. Open to all seniors and in exceptional cases to juniors.

NOTE: Major students are required to complete 30 credit hours in Spanish at the intermediate and advanced levels including Spanish 305, 320, 330, 331. Education 300 is not considered as part of the 30 hours.

Spanish Club and Sigma Delta Pi. The purpose of the Spanish Club is to give students interested in the language an opportunity to use it and learn about the culture of Spanish-speaking countries. Sigma Delta Pi is a national Spanish honorary fraternity. In order to qualify for membership a student must have a B average in Spanish, an over-all scholastic average of 2.75, and he must have completed Survey of Spanish Literature. The Eta Theta chapter of Sigma Delta Pi encourages the study of Spanish and its culture.



Library Education

The prime objective of the Library Education Department of Mansfield State College is to prepare competent librarians for the schools of the Commonwealth of Pennsylvania. Evening, Saturday, and Summer courses make it possible for in-service people to complete certification requirements.

A new or transfer student admitted to Mansfield must first complete or have completed the General Education prerequisites, as detailed in the requirements for all Mansfield students, irrespective of curricular choice. Those students who have elected to pursue the Library Education curriculum, must, in addition to the 36 semester hours in library education preparation, satisfactorily complete the teacher education requirements which are prescribed by the Professional Studies Division of the College.

Some of the courses for librarian preparation include: reference services and materials, cataloging and classification, various courses in the literature of children and youth, non-book cataloging (cataloging and classification of non-book media), a seminar for the development of acumen in teaching useful library skills, an organization and administration course to prepare aspirants to successfully dispatch the managerial responsibilities of library administration.

Candidates for the Bachelor of Science in Library Education must successfully complete a supervised, on-the-job experience for one semester at two different locations.

The balance of the program (18 semester hours) is comprised of elective courses chosen by the student.

Lib. 111 Library in the School
3 (3-0-0) Fall and Spring

Designed to orient the student in the field of library service. The development and function of the library as a social institution; types of libraries with emphasis on school libraries, current trends; the professional status of the librarian.

Lib. 160 Book Selection for Children
3 (3-0-0) Fall and Spring

A study of the various types of children's literature and the principles of selection and evaluation of media by standard criteria. Development of general and subject bibliographies and skill in writing annotations.

Lib. 221 Reference Services and Materials
3 (3-0-0) Fall and Spring

Fundamental reference sources, bibliographical methods and searching techniques, the philosophy and administrative aspects of reference work. Practice in the evaluation and use of reference sources and analysis of reference questions.

Lib. 261 Literature for Young Adults
3 (3-0-0) Fall or Spring

A study of literature for the adolescent through reading, with emphasis on the needs, interests, and abilities of readers. Problems related to the selection of materials and practice in writing annotations. Techniques and practice in presenting book talks; study of magazines for the junior-senior high school library.

Lib. 321 Library Organization and Administration 3 (3-0-0) Fall and Spring

Changing role of the librarian from a service person to that of a leader in the mainstream of today's education. Development of acceptable business procedures and required reports.

Lib. 342 Cataloging and Classification 3 (2-0-1) Fall or Spring

The principles of cataloging, subject analysis, classification and bibliographical methods. Practice in the use of the Dewey Decimal Classification and the choice and form of subject headings.

Lib. 380 Classification and Cataloging of Non-Book Materials 3 (2-0-1) Fall or Spring

Techniques of selection, acquisition, cataloging and classification of non-book materials; the organization of the library as an instructional materials center. Prerequisite: Lib. 342.

Lib. 381 Technical Services 3 (2-0-1) Fall or Spring

The techniques of technical services, except cataloging and classification in school libraries. Introduction to methods and routines of selecting and ordering materials, circulation procedures, composing policies, and writing the yearly report.

Ed. (Lib.) 400 Student Teaching 12 (0-0-12) Fall and Spring

Supervised library practice and classroom experience in elementary, junior high school and senior high school.

Lib. 401 Seminar in Library Methods 3 (2-0-1) Fall or Spring

Evaluation of the school library's function and services in curriculum work with teachers; study and methods of preparing the library program and of teaching usage at various grade levels. Participation in a school library under the guidance of the librarian. Prerequisite: permission of instructor.

Lib. 430 History of Books and Libraries 3 (3-0-0) Fall or Spring

A study of methods of recording knowledge from earliest forms to modern times and of the institutions in which they have been collected and preserved for use. Emphasis is upon the relation of the medium to social, cultural, and technological conditions which have controlled its developments.

Lib. 462 Adult Literature for School Libraries 3 (3-0-0) Fall or Spring

Reading and evaluation of adult books for the high school; a study of the library's responsibility for the promotion of reading; practice in writing and presenting a critical book review, and review of the classics of world literature appropriate for a high school library.

Lib. 463 Storytelling 3 (2-0-1) *

The selection and presentation of stories for children with emphasis on the selection of stories for children of various ages and methods of learning and presenting a story; practice in telling stories to children.

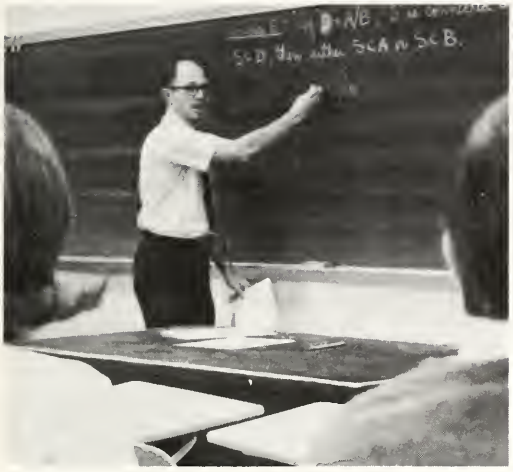
Lib. 486 Book Selection 3 (3-0-0) Fall or Spring

A survey of current trends and problems involving library collections. Emphasis upon principles and evaluation of aids and the making of a policy.

Lib. 491 Directed Study 1-3 (1-2-0) Fall and Spring

Individual study under the direction of the department chairman or a faculty member appointed by the chairman.

Alpha Beta Alpha. Alpha Beta Alpha is a national honorary library fraternity seeking to promote people, books and services in librarianship. Membership is open to all students of Library Science who have a cumulative average of 2.00 and who have completed one semester at Mansfield.



Mathematics

The liberal arts (B.A.) program in mathematics is designed to prepare the student for mathematics positions in business and industry and for graduate work in mathematics. Many industries offer first-rate working conditions and challenging science-related activities for the student interested in a business or an industrial career. For the student who is able to exhibit academic talent, there is the possibility for further study in mathematics at other institutions. Almost all such students can expect to receive some sort of financial aid from the institution involved.

Students who plan to go into one of the following careers will need a good foundation in mathematics: engineering and architecture, biological sciences, chemistry and physics, business administration, accounting, computer science, economics and statistics, insurance and banking, research in pure and applied mathematics.

In addition to the required mathematics courses, General Physics 188 and 211 are required courses for all B.A. mathematics majors. It is suggested that General Physics 211 be completed during the sophomore year to prepare the mathematics major for applied mathematics courses in the upper division.

A large body of mathematical literature is printed in foreign languages, especially French or German. Mathematics majors are strongly urged to acquire a proficiency in at least one of these languages equivalent to the completion of a second-year college language course.

Mathematics majors are required to take the following courses: Ma. 112, 113, 212, 213, 215, 220, 250, 315, 316, 321, and 370 (all three-credit-hour courses); math electives (9 credit hours); a total of 42 credit hours.

If preparation in algebra and trigonometry is not adequate to permit the student to proceed immediately to Ma. 112 Calculus I, he must complete Ma. 102 Algebra and Trigonometry in addition to the courses listed in the required courses for the major.

A student wishing to transfer to Mansfield from another college, or a junior college, should take the equivalent of as many as possible of the following courses during his freshman and sophomore years: Ma. 112, 113, 212, 213, 215, 220, 250 and Phy. 188, 211.

The Mathematics Department offers a sequence of courses leading to the B.S. degree in mathematics-secondary education for those students desiring to enter the teaching profession. The courses offered in the B.S. degree program are mathematically sophisticated and are also generally open to students pursuing the B.A. degree. These courses are designed to (1) provide preparation for teaching all courses in the modern high school mathematics curriculum, (2) enable the student to develop basic understandings in many facets of the mathematical discipline, (3) provide adequate background in the "main stream" of contemporary mathematics so that the student can further explore areas of his

own interest, and (4) provide the background necessary for the study of mathematics at the graduate level. In short, students who complete the teacher education major at M.S.C. are equipped to provide leadership in the teaching profession and to enjoy success in further study of mathematics in graduate schools commensurate with their abilities and interests.

Required courses for the B.S. degree in mathematics are: Ma. 112, 113, 212, 213, 215, 220, 250, 321, 329, 380 and four courses in math electives; a total of 42 credit hours.

If preparation in algebra and trigonometry is not adequate to permit the student to proceed immediately to Math 112 Calculus I, he must complete Math 102 Algebra and Trigonometry in addition to the courses listed in the required courses for the major.

In addition to the required mathematics courses, General Physics 188 and 221 are required courses for all B.S. mathematics majors. It is suggested that Physics 211 be completed during the sophomore year to prepare the mathematics major for applied mathematics courses in the upper division.

A student wishing to transfer to Mansfield State from another college, or a junior college, should take the equivalent of as many as possible of the following courses during his freshman and sophomore years: Ma. 112, 113, 212, 213, 215, 220, 250 and Phy. 188, 211.

Ma. 050 Basic Algebra 0 (3-0-0) *

A non-credit course in basic algebra from signed numbers through quadratic equations including topics from geometry.

Ma. 101 Fundamental Concepts in Mathematics 3 (3-0-0) Fall and Spring

Set notation, operation on sets, relations, properties of relations, system of whole numbers, change of base, system of integers, prime numbers, division algorithm, greatest common divisor, least common multiple, absolute value, system of rational numbers, system of real numbers, the number line, repeating decimals, square roots.

Ma. 102 Algebra and Trigonometry 3 (3-0-0) Fall and Spring

Coordinate systems, relations and functions, properties of functions, polynomial functions, exponential functions, circular functions, trigonometric formulas, linear and quadratic functions, analytic geometry, conic sections. Prerequisites: Ma. 050 or high school equivalent.

Ma. 105 Introductory Statistics 3 (3-0-0) Fall and Spring

A survey of basic statistical methods for analyzing data. Topics include point estimation, interval estimation, linear regression, analyses of variance and covariance, and testing of hypotheses. Laboratory work will be scheduled in the Statistics laboratory.

Ma. 107 Introduction to Computer Programming 3 (3-0-0) Fall and Spring

Fundamentals of Fortran programming applied to the RCA Spectra 70-35 computer. Use of Fortran language to solve practical problems pertinent to science, business, and other disciplines. Laboratory includes use of a key punch and the RCA Spectra 70-35 computer.

Ma. 112 Analytic Geometry and Calculus I 3 (3-0-0) Fall and Spring

The rate of change of a function, limits, derivatives of algebraic functions, applications, integration. Prerequisite: Ma. 102 or equivalent.

Ma. 113 Analytic Geometry and Calculus II 3 (3-0-0) Fall and Spring

Applications of the definite integral, transcendental functions, hyperbolic functions, methods of integration, plane analytic geometry. Prerequisite: Ma. 112.

Ma. 212 Analytic Geometry and Calculus III 3 (3-0-0) Fall and Spring

Polar coordinates, polar equations, plane areas in polar coordinates, parametric equations and vectors, quadric surfaces and vector functions and their derivatives. Prerequisite: Ma. 113.

Ma. 213 Analytic Geometry and Calculus IV 3 (3-0-0) Fall or Spring

Partial differentiation, multiple integrals with applications, spherical coordinates, surface area, vector analysis, surface and line integrals, Green's theorem, infinite series, power series, Taylor series, Fourier series, and indeterminate forms. Prerequisite: Ma. 212.

Ma. 215 Differential Equations 3 (3-0-0) Fall or Spring

Ordinary differential equations, exact equations, integrating factors, differential equations of the first order and first degree, differential equations of the first order and degree higher than first, homogeneous linear differential equations with constant co-efficients and applications, Laplace transforms, and existence theorems. Prerequisite: Ma. 213 or concurrent enrollment.

Ma. 220 Linear Algebra and Matrix Theory 3 (3-0-0) Fall or Spring

Matrices, matrix operations, solutions of linear systems, transposes, adjoints, inverses, determinants, mappings, linear transformations, vectors, vector spaces, subspaces, bases, change of basis, characteristic roots, characteristic vectors, and applications. Prerequisite: Ma. 113.

Ma. 250 Probability and Statistics I 3 (3-0-0) Fall and Spring

Set theory and logic. Probability, sample spaces, and distributions. Typical methods of sampling and hypothesis testing. Restricted to study of discrete sample spaces. Prerequisite: Ma. 102 or equivalent.

Ed. 300 Teaching Mathematics in the Secondary School 3 (3-0-0) Fall and Spring

Consideration of the place and purpose of mathematics in secondary education; examination of curriculum problems; study of methods, techniques, and psychology in the teaching of algebra and geometry. Interpretation of the recommendations of the School Mathematics Study Group and similar committees. Prerequisites: Ma. 321 and 329 or concurrently.

Ma. 301 Modern Concepts in Algebra and Geometry 3 (3-0-0) Spring

A study of basic ideas and structures in algebra and geometry. Open only to Elementary Education majors. Prerequisite: Ma. 101.

Ma. 315 Real Analysis I 3 (3-0-0) Fall

The real number system. Emphasis on the concepts and theoretical approach to calculus: functions, sequences, series, limits, continuity, derivatives, the Riemann integrals and sequences of functions. Prerequisite: Ma. 213.

Ma. 316 Real Analysis II 3 (3-0-0) Spring

A continuation of Ma. 315. Prerequisite: Ma. 315.

Ma. 318 Complex Variables 3 (3-0-0) Spring, even-numbered years

A first course in complex variables. Complex numbers, analytic functions, elementary functions, mappings by elementary functions, integrals, power series, residues, poles, conformal mappings. Prerequisite: Ma. 213.

Ma. 320 Boolean Algebra and Symbolic Logic 3 (3-0-0) Spring, even-numbered years

Basic symbolic logic including tautologies, rules of inference, quantifiers, formal and informal proof, theory of definition. Also latices, Boolean algebra and applications. Prerequisite: Ma. 213.

Ma. 321 Modern Algebra I 3 (3-0-0)
Fall

Sets, rings, integral domains, fields, groups, polynomials, congruences, algebra of classes, Boolean algebra, transfinite arithmetic, mappings, homomorphisms, and isomorphisms. Prerequisite: Ma. 213.

Ma. 322 Modern Algebra II 3 (3-0-0)
Spring, even-numbered years

A continuation of Ma. 321 consisting of a more detailed study of groups, rings, ideals, fields and selected topics. Prerequisite: Ma. 321.

Ma. 325 Number Theory 3 (3-0-0)
Fall, odd-numbered years

An analytical study of basic concepts including divisibility, congruence, quadratic reciprocity, and Diophantine equations. Varied methods of proof are stressed. Prerequisite: Ma. 213.

Ma. 329 Modern Geometry I 3 (3-0-0)
Fall

An introduction to the foundations of geometry with emphasis on the axiomatic development of the Euclidean system. Prerequisite: Ma. 213.

Ma. 330 Modern Geometry II 3 (3-0-0)
Spring, odd-numbered years

An introduction to non-Euclidean geometries with emphasis on axiomatic structures. Prerequisite: Ma. 329.

Ma. 340 Intermediate Differential Equations 3 (3-0-0)
Fall, odd-numbered years

A course in series solutions of differential equations with applications. Some associated special functions such as Bessel functions and Legendre polynomials will be studied. Prerequisite: Ma. 215.

Ma. 345 Partial Differential Equations 3 (3-0-0) Fall, even-numbered years

Solutions of partial differential equations and boundary value problems; LaPlace transforms, Fourier series and transforms. Prerequisite: Ma. 215.

Ma. 350 Probability and Statistics II 3 (3-0-0) Fall, even-numbered years

Distributions of discrete and continuous random variables, expected values and moments, conditional probability and independence, special discrete and continuous distributions, derived distributions. Prerequisites: Ma. 213 and 250.

Ma. 351 Probability and Statistics III 3 (3-0-0) Spring, odd-numbered years

Interval estimation, order statistics, point estimation, tests of hypotheses. Prerequisite: Ma. 350.

Ma. 360 Topology 3 (3-0-0)
Fall, even-numbered years

An introductory course in point-set topology. Set theory, metric spaces, topological spaces, connectedness, compactness. Prerequisite: Ma. 213.

Ma. 370 Introduction to Applied Mathematics 3 (3-0-0) Fall

A course to illustrate the principles and basic styles of thought in solving physical problems by mathematical methods. Particle dynamics, heat and fluid flow, wave equations, vector, Fourier, and tensor analysis. Prerequisite: Ma. 215.

Ma. 380 History and Philosophy of Mathematics 3 (3-0-0) Fall

A study of the chronological development of mathematics from prehistoric times to the present. Emphasis will be placed on the great contributors of mathematics, their contributions, and their method of reasoning. Emphasis also will be placed on how new developments in mathematics affected, and were affected by, other areas of study, such as science, philosophy, art, music, and religion. Prerequisite: Ma. 213.

Ma. 401 Selected Topics in Mathematics 3 (3-0-0) Spring, odd-numbered years

Selections from Topology, Algebra, Real Analysis, Matrix Theory or other senior level topics. Active participation by the student in problem solving and theory development is required. Prerequisite: permission of instructor.

Ma. 402 Seminar in Mathematics 3 (3-0-0) Fall, odd-numbered years

Papers from the American Mathematical Monthly, comparable journals, and various advanced references will be presented and discussed by the students. Continuous reading and participation will be required. Prerequisite: permission of instructor.

Math Club. During the spring semester of 1971 students of the Mathematics Department organized a Math Club, with eligibility for membership open to all mathematics majors. The purposes of the Math Club are: (1) meet the needs and interests of the members, (2) provide for communication between students and faculty for promotion of fellowship and interest in mathematics, (3) provide an incentive for higher scholarship, (4) better the attitudes toward attaining the general goals of a college education, and (5) create an atmosphere of voluntary involvement in the help of others through upper-class-directed study sessions, lectures, etc.

Music

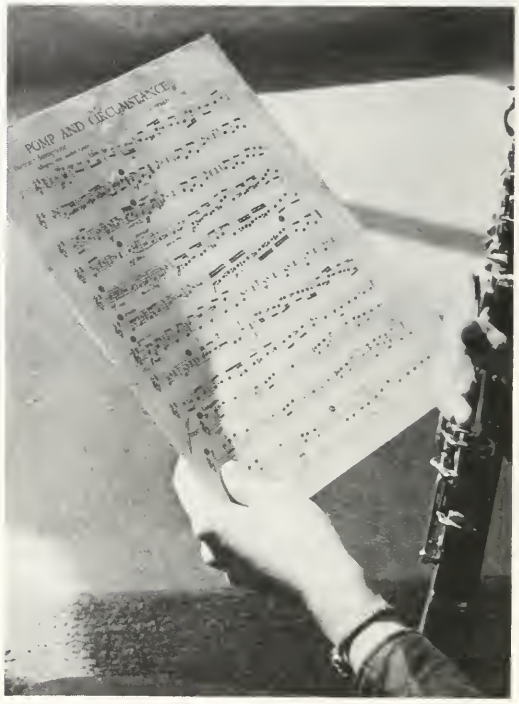
The B.A. degree program with a major in music is designed to provide a basic musical preparation with which to move into either professional study or graduate work in music. It should provide a musical background sufficient for entering those occupations allied to the musical world. For those who are not vocationally oriented, it provides an education in music sufficient for the enrichment of life which such a knowledge of the art can bring.

Music majors are required to take the following courses: Mus. 111, 112, 213, 214 (Basic Music I, II, III, IV) — 14 credit hours; APMU 210 (Piano) — 4 credit hours; Mus. 222, 223 (Music History and Literature I and II) — 6 credit hours; Mus. 269 (Collegium Musicum) — 0 credit hours. Electives in music — 12 credit hours.

Four semesters of participation are required in either band, orchestra or chorus. Only one organization may be taken per year to meet the requirement. 27 credit hours of free electives are taken by advisement.

The Bachelor of Music degree provides the initial collegiate study for the development of the skills, concepts, and sensitivity essential to the preparation for the professional life of a musician. After successfully completing the degree, the graduate will have completed an important step in his development as a performer, composer, and/or as a teacher in the area of his particular major competency. The program does not result in certification to teach in the public schools.

Bachelor of Music candidates may major in piano, organ, voice, string instruments, woodwind instruments, brass instruments, percussion, music history and literature, or music theory.

The Bachelor of Music program is intended for students of superior musical ability. All applicants must demonstrate a high level of proficiency in performance, and accordingly will be required to pass an entrance audition in their major applied area. In addition to the audition, all applicants will be required to pass entrance examinations in ear training and elementary theory. General scholarship, health, and character requirements will be in accordance with existing college admissions policies.

Students who wish to enter the B.M. degree program with advanced standing from other colleges or from other programs at Mansfield State College will be expected to demonstrate the competencies and proficiencies which are appropriate to the level of the particular program for which they wish to be considered.

The B.S. degree in music is designed to develop public school music teachers who are intelligent and competent musicians, well-trained and competent educators and well-informed citizens. Although the program is general in nature, preparing the graduate to teach both vocal and instrumental music at all levels of the public school, opportunity is given the individual student to specialize in either the vocal or instrumental area, thereby meeting the need of the public school systems in their demand for specialization. The program attempts to provide a balance between General Education, the intensive training necessary to develop a professional musician and the background of professional study and experience necessary for entering the field of education in today's society.

Special Admission Requirements

All applicants for the music education program, once they have satisfied the requirements for general college admission, must take an audition for acceptance into the music education curriculum. The following competencies must be shown:

1. Sufficient performing proficiency on piano, organ, voice, or any band or orchestra intrument to serve as a basis for the development of a performing acquaintance with standard works of musical literature.
2. Evidence of average or above average musical aptitude as indicated by:
   a. a good sense of pitch
   b. rhythmic responsiveness
   c. adequate tonal and rhythmic memory.
3. The possession of an acceptable singing voice and the ability to:
   a. sing at sight a melody of the degree of difficulty of a simple folk song.
   b. sing the alto, tenor, or bass part of a song of the degree of difficulty of "America."
4. Ability to sight read piano music of the degree of difficulty of the first book of a standard graded course of piano instruction, including equal facility in reading from the treble and bass clefs.

   Students who cannot meet this requirement must remove the deficiency before receiving credit for piano study.
5. A working knowledge of the fundamentals of music theory such as scales, key-signatures, time signatures, and the symbols of music notation.

Applicants who are deficient in any of the above-named techniques may be accepted if they give evidence of superior qualifications in other areas.

Audition Instructions

Students are scheduled for auditions after being approved by the Admissions Office. Normally, auditions are held once a month during the school year.

Students auditioning for music education should come prepared to perform a prepared solo on their major performing medium. Piano or instrumental majors should also be prepared to play scales. Sight reading will be a part of each audition. All applicants, regardless of major, are auditioned on piano and voice. Audition on a band or orchestra instrument is optional for voice or piano majors. Applicants should bring music for each area in which they are auditioning.

Special permission to audition by a tape recording may be granted in special circumstances where long travel or personal hardship is involved. For information concerning this type of audition, contact the Chairman of the Music Department.

Transfer Students

Due to the time sequence necessary for the development of skills required by the music curriculum, students transferring into music education are advised to transfer as early as possible. Otherwise, it becomes increasingly difficult to complete the curriculum within the normal four-year span of time.

Transfer credits in the music area must be validated by examination before they may be accepted for transfer. This is to insure that the student is capable of successfully completing the remaining courses which will be required of him.

Theory Area

Mus. 111 Basic Music I 3 (3-1-0)
Fall, First Summer Session

Simple tonal, rhythmic and harmonic vocabulary; sight singing, dictation, keyboard, analysis, writing, creative work.

Mus. 112 Basic Music II 3 (3-1-0)
Spring, Second Summer Session

Continuation of Basic Music I. Also includes tonicization, harmonic function, modulation and small musical forms. Prerequisite: Mus. 111.

Mus. 213 Basic Music III 4 (3-2-0)
Fall, First Summer Session

Further development of techniques using more advanced tonal, rhythmic and harmonic vocabulary; contrapuntal elaboration; sonata allegro form; variation and rondo form. Prerequisite: Mus. 112.

Mus. 214 Basic Music IV 4 (3-2-0)
Spring, Second Summer Session

Continuation of Basic Music III. Prerequisite: Mus. 213.

Mus. 210 Acoustics 3 (30-0-0)
Fall and Spring

The nature of sound; the physiology and psychology of hearing; tuning and temperament. Acoustical principles applied to the various musical instruments, auditoriums and the recording and reproducing of sound.

Mus. 311 Orchestration 2 (2-0-1)
Fall and Spring

Characteristics of orchestral instruments; scoring for various instrumental groups. Prerequisite: Mus. 214 or permission of instructor.

Mus. 315 Advanced Harmony 3 (3-0-0)
Fall or Spring

Harmonic techniques of the late nineteenth and early twentieth centuries; interrelationship of harmonic vocabulary and musical form. Prerequisite: Mus. 214.

Mus. 316 Counterpoint 3 (3-0-0)
Fall or Spring

A study of the contrapuntal style of the late 17th and early 18th centuries. Prerequisite: Mus. 214.

Mus. 417 Composition 3 (2-1-0)
Fall and Spring

Contemporary techniques of musical composition; emphasis on creative work. Prerequisite: Mus. 315 or Mus. 316.

History and Literature Area

Mus. 100 Introduction to Music 3 (3-0-0)
Fall and Spring, Summer

A study of the principal musical media, of the most basic musical materials with which composers have worked, and a brief survey of the most important and most popular compositions from the time of the early Baroque to the present. Designed for the non-music major.

Mus. 121 Survey of Music Literature 2 (3-0-0) Fall and Spring

A survey of representative masterpieces from the Baroque to the contemporary era. Emphasis is upon form, historical background, and stylistic characteristics of the music of the various periods. Designed for those with a musical background.

Mus. 222 Music History and Literature I 3 (3-0-0) Fall, First Summer Session

A study of the history and styles of the musics of western civilization beginning with the early Christian era through the middle Baroque (ca. 1700). Collegium Musicum (Mus. 269) must be elected concurrently with this course.

Mus. 223 Music History and Literature II 3 (3-0-0) Spring, Second Summer Session

A study of the history and styles of the musics of the western civilization beginning with the late Baroque through the main trends of the twentieth century. Collegium Musicum (Mus. 269) must be elected concurrently with this course.

Mus. 269 Collegium Musicum 0 (0-0-1)
Fall, Spring, Summer

Discussion and informal performance of music from the beginning of the Christian era to the present day, with special emphasis on works for small vocal, instrumental, and mixed ensembles. Authentic early instruments are used. Intended primarily as a complementary activity for students in music history classes, but open to all interested and qualified students.

Mus. 421 American Music 3 (3-0-0)
Fall or Spring, alternate years

The historical background and development of music in the United States from Colonial times to the present. A study of the principal composers and their music. Reading, research and listening emphasized.

Mus. 422 The Symphony 3 (3-0-0)
Fall or Spring, alternate years

A study of orchestral music from its beginning. The Mannheim composers, the Viennese classics, the Romanticists and contemporary developments. Works will be analyzed and their historical, cultural and philosophical backgrounds discussed.

Mus. 423 The Concerto 3 (3-0-0)
Fall or Spring, alternate years

A study of the concerto form with emphasis upon the development of the form and the stylistic contribution of the great masters. Representative works will be studied in score and recordings.

Mus. 424 Advanced Music Literature 3 (3-0-0) *

Intensive study of selected choral, solo, chamber and orchestral masterpieces; emphasis on formal and stylistic developments.

Mus. 425 Contemporary Music 3 (3-0-0)
Fall or Spring, alternate years

A survey of the styles, forms, and musical techniques of contemporary music.

Mus. 426 Introduction to Ethnomusicology 3 (3-0-0) *

A definition of the discipline, its history and objectives will be followed by a thorough discussion of the basic descriptive and analytical procedures, bibliography, and techniques.

Mus. 427 Introduction to Chinese Music 3 (3-0-0) *

A study of Chinese music covering the following topics: historical background, Chinese instruments, temperament of Chinese music, notation of Chinese music, Chinese folk music and modern Chinese music.

Conducting Area

Mus. 131 Eurhythmics I
1 (0-0-2) Fall

Laboratory experience in rhythmic movement to develop skill and greater perception of rhythms most frequently encountered. The Jacques-Dalcroze philosophy is followed.

Mus. 132 Eurhythmics II
1 (0-0-2) Spring

Continuation of Mus. 131. Designed to develop greater sensitivity to and awareness of the nuances of dynamics and rhythm. Prerequisite: Mus. 131.

Mus. 331 Choral Conducting 2 (2-0-1)
Fall and Spring

Designed to prepare the future music educator for the responsibilities of organizing, teaching, and conducting choral organizations of varying levels of achievement, particularly those of the junior and senior high school age groups. Actual experience in conducting the class as a choral organization is an integral part of the course. Prerequisite: Mus. 112.

Mus. 332 Instrumental Conducting
2 (2-0-1) Fall and Spring

Preparation for conducting instrumental groups with particular emphasis on rehearsal and performance techniques appropriate for the public school level. Actual experience is provided through the conducting of a laboratory band and orchestra. Prerequisite: Mus. 112.

Music Education Area

Mus. 381 Music in the Elementary School
2 (2-0-1) Fall and Spring

A study in teaching the elements of music through musical activities emphasizing the discovery approach. The course includes a survey of current appropriate materials and observation/participation in area elementary schools. Prerequisite: Mus. 112.

Mus. 382 Music in the Secondary School
2 (2-0-1) Fall and Spring

A study in teaching musical concepts, knowledge, and skills in music classes and activities of the secondary school, grades 7-12, with emphasis on vocal music and general music classes. Development of a basic philosophy of music education at the secondary level. Prerequisite: Mus. 112.

Mus. 383 Instrumental Music in Public Schools 3 (2-0-1)
Fall and Spring, Summer

Study of a suitable instrumental program for a public school system with particular attention to the class teaching techniques of the various instruments. Problems of organization and administration of such a program; survey and examination of available instructional material for all phases of the instrumental program. Prerequisite: Mus. 112.

Mus. 440 Creative Music Drama
2 (2-0-1) *

A study of the techniques necessary to direct and stage music drama in school and community; setting up a production staff, proper rehearsal methods, public relations aspects. Creating music drama from existing musical productions.

Mus. 484 Piano Pedagogy 2 (2-0-1)
Fall and Spring

Study of procedures for class and individual instruction; emphasis upon the ear approach as the basis for reading, true musical perception and intelligent understanding of the printed page; examination and evaluation of materials suitable for the first years of piano study. Prerequisite: permission of the instructor.

Mus. 485 Marching Band Techniques
2 (2-0-1) Fall and Spring

A detailed study of the marching band including organization, music, materials, care of instruments and uniforms, marching essentials, administration and contemporary techniques.

Ed. 400 Student Teaching 12
Fall and Spring

Practice teaching under supervision of master teachers. Required of all students working for a degree in teacher education.

Research and Honors Area

Mus. 490 Directed Study 1, 2 or 3 *

Individual study under the direction of a faculty member appointed by the department chairman. Available to seniors and students having met the requirements for graduation. May extend areas normally covered in specialized courses of the music curriculum. By permission only.

Applied Music Area

Applied music in the curriculum serves two purposes: (a) developing the student's musicianship through technical mastery of his major performing medium, and (b) providing him as a prospective teacher with the knowledge and techniques of various media needed for conducting an effective music program in the public schools.

Private study may be pursued in the following performance media: voice, piano, organ, harpsichord, violin, viola, cello, string bass, flute, oboe, clarinet, bassoon, saxophone, trumpet, French horn, trombone, baritone, tuba, percussion. For specific curricular requirements, consult the Chairman of the Music Department.

APMU O11 Piano Class 0 (0-0-2)
Fall and Spring

Remedial piano study for those unable to meet entrance requirements. Subject to availability of staff.

APMU 101 Voice Class I 1 (0-0-2) Fall

Development of proper vocal production, poise and confidence in solo singing. Remedial work for individual problems.

APMU 102 Voice Class II 1 (0-0-2)
Spring

Continuation of Voice Class I. Prerequisite: APMU 101.

APMU 111 Piano Class 1 (0-0-2)
Fall and Spring

Designed for those who have met entrance requirements but are at an elementary stage of development. Functional piano study preparatory to meeting proficiency requirements of the music education curriculum.

APMU 130 Flute Class 1 (½-½-0)
Fall, Spring and Summer

Designed to give the fundamental principles and techniques necessary for playing and teaching the flute; study of the literature appropriate for beginning class instruction.

APMU 132 Clarinet Class 1 (½-½-0)
Fall, Spring and Summer

Designed to give the fundamental principles and techniques necessary for playing and teaching the clarinet; study of the literature appropriate for beginning class instruction.

APMU 133 Double Reed Class 1 (½-½-0)
Fall, Spring

Fundamental principles and techniques for playing oboe and bassoon; making and adjusting of double reeds.

APMU 140 Trumpet Class 1 (½-½-0)
Fall, Spring and Summer

Designed to acquaint students with the techniques of trumpet playing and teaching. Emphasis upon development of teaching ability.

APMU 141 French Horn Class 1 (½-½-0)
Fall, Spring and Summer

Fundamental principles and techniques for playing French horn.

APMU 142 Trombone Class 1 (½-½-0)
Fall, Spring, Summer

Designed to acquaint students with the techniques of trombone playing and teaching. Emphasis upon development of teaching knowledge.

APMU 151 String Class I 1 (½-½-1)
Fall

Designed to acquaint the non-string player with the basic elements of stringed instrument playing. Students learn to play the various instruments, not only learning the fundamentals of correct playing, but becoming familiar with some of the problems of class instruction found in typical elementary school string classes.

APMU 152 String Class II 1 (½-½-1)
Spring

Continuation of String Class I. Students are expected to specialize on violin, viola, cello or bass. Keys up to four sharps and two flats are presented with corresponding fingering problems. Bass players introduced to various positions; cello students learn extended second finger pattern. Various staccato bowing patterns introduced; violin and viola students practice simple third position exercises. Principles of vibrato presented.

APMU 160 Percussion Class 1 (½-½-0)
Fall, Spring, Summer

Study of the characteristics of the various percussion instruments; performance techniques; development of performing ability necessary to teach the percussion instruments at the elementary and secondary level of instruction.

Ensembles

Membership in musical ensembles is open to all qualified students regardless of curriculum. Auditions are required for proper placement. Academic credit is not given but membership is required in certain ensembles for students following a music curriculum. For specific requirements consult the chairman of the Music Department.

ENMU 150 Band I (Concert Wind Ensemble)
ENMU 151 Band II (Symphonic Band)
ENMU 152 Band III (Varsity Band)
ENMU 153 Orchestra I (College-Community Symphony)
ENMU 154 Orchestra II (Training Orchestra)
ENMU 156 Chorus I (Concert Choir)
ENMU 157 Chorus II (Festival Chorus)
ENMU 158 Chorus III (Freshman Chorus)
ENMU 160 Piano Ensemble
ENMU 161 Percussion Ensemble
ENMU 162 Opera Workshop
ENMU 163 Woodwind Ensemble
ENMU 164 Brass Ensemble
ENMU 165 Renaissance Singers
ENMU 166 Esquires
ENMU 167 Horn Ensemble
ENMU 168 String Ensemble
ENMU 169 Chamber Singers

Musical Organizations

Membership in musical organizations is open to all qualified students, regardless of curriculum. Auditions are required for proper placement.

Chamber Singers
A vocal chamber ensemble selected by audition to perform the specialized repertoire of the vocal chamber medium. Concerts are given at the College and off-campus by request.

College-Community Symphony Orchestra
Provides an opportunity to participate in the performance of standard symphonic literature. The orchestra presents a concert each semester, accompanies outstanding student soloists, participates in the annual choral festival, and takes a short tour each year.

Collegium Musicum
Discussion and informal performance of music from the beginning of the Christian era to the present day, with special emphasis on works for small vocal, instrumental, and mixed ensembles. Intended primarily as a complementary activity for students in music history classes, but open to all interested and qualified students.

Concert Choir
Membership is limited to 48 voices. In addition to presenting a concert each semester and joining with the other choruses for an annual choral festival, the Choir takes an annual tour of two or three days.

Concert Wind Ensemble
A band limited in membership by audition, the group presents concerts on campus and makes an annual tour of two or three days.

Festival Chorus
A mixed chorus of sophomore, junior, and senior students providing opportunity for experience with and study of great choral literature. The Chorus presents a concert each semester and joins with the other choruses for an annual choral festival.

Freshman Chorus
A mixed chorus required of all Freshmen in the music curriculum but open to all students. The Chorus presents a concert each semester and joins with the other choruses for an annual choral festival.

Mountie Marching Band

The Marching Band plays for all home football games, college parades, and some off-campus games.

Music Education Club

This departmental organization is open to all music students. It aims to acquaint members with current activities and developments in the field of music education. At monthly meetings, programs augment instructional activity. The organization sponsors a limited number of social events.

Opera Workshop

First semester activities involve developing and performing scenes from various operas and musical comedies, chosen according to the abilities of the students in the workshop. During the second semester the Music Department combines with the Speech and Theatre Department to present a major music production. Singers, dancers, actors, musicians, and stage craftsmen who meet with the director's approval are welcomed.

Renaissance Singers

A vocal chamber ensemble selected by audition to sing a repertoire that is more appropriate for a smaller group. The music performed ranges from the Renaissance to contemporary compositions. Concerts are given at the College and off-campus by request.

Stage Band (Jazz/Rock Ensemble)

Both a professional and instructional activity, the 20-piece band, known as the "Esquires", rehearses twice each week, plays for college dances and concerts, and fills outside engagements.

Symphonic Band

Formed after the marching season, this band studies a wide variety of band literature and presents concerts on campus.

Small Ensembles

Various brass, woodwind, string, and percussion ensembles are formed each semester. One woodwind quintet takes an annual tour. Frequent chamber music concerts provide opportunity for public performance.

Training Orchestra

A string orchestra which provides orchestral training experience for players with limited ability.

Varsity Band

Formed after the marching season, this band offers an opportunity for those musicians with more limited ability to participate in a performing organization. Concerts are given each semester.

Kappa Kappa Psi

Kappa Kappa Psi is a men's national honorary band fraternity whose purpose is service to the band and to the alma mater. Membership is open by invitation to any male college student who has been a member of one of the college bands for at least one semester and who has a 2.0 QPA.

Sigma Alpha Iota

A local music sorority which encourages high standards of musicianship and scholarship. To be eligible for membership, a woman music student must be at least a first semester sophomore. She must have earned an A in an applied music subject, an average of B in her music studies, and an average of C in her academic studies.

Phi Mu Alpha Sinfonia

A national professional musical fraternity for men who are interested in music either as a profession or as an avocation. The fraternity's aims are to advance the cause of music in America, to foster the mutual welfare and brotherhood of students of music, to develop true fraternal spirit among its members, and to encourage loyalty to the alma mater.

Tau Beta Sigma

Tau Beta Sigma is a woman's national honorary band sorority whose purposes are service to the band and to the alma mater. Membership is open by invitation to any woman college student who has been a member of one of the college bands for at least one semester and who has a 2.0 QPA.

Philosophy

Phil. 201 Introduction to Philosophy I
3 (3-0-0) Fall and Spring

A survey of the outstanding contributions of ancient and modern philosophers; includes study of certain central current philosophical problems and attention to ethical implications. The course devotes special attention to the relevance of philosophy to the problems of contemporary life.

Phil. 202 Introduction to Philosophy II
3 (3-0-0) Fall or Spring

Continuation of Phil. 201. Nature, sources, and validity of knowledge. Problem of moral knowledge. Philosophy of values. Types of philosophy. Philosophy of art. Political philosophy. Philosophy of education. Philosophy of history. Problem of meaning and verification. Prerequisite: Phil. 201.

Phil. 220 Comparative Religion
3 (3-0-0) Fall or Spring

A presentation of the beliefs, doctrines, and observances of the major religions of the world, leading to a better understanding of various cultures. Chronologically, these religions are Hinduism, Judaism, Zoroastrianism, Taoism, Buddhism, Confucianism, Christianity, Islam, Zen Buddhism. Prerequisite: Phil 201 or permission of instructor.

Phil. 270 Existentialism 3 (3-0-0)
Fall or Spring

An analysis of contemporary philosophical trends to stress the unique in man and his value as an individual. Examination of existentialist themes will center upon freedom, commitment, self-determination and authenticity. Emphasis will be placed upon the writings of Kierkegaard, Nietzsche, Heidegger and Sartre. Prerequisite: Phil. 201 or permission of instructor.

Phil. 280 Philosophical Problems Within Western Religious Thought
3 (3-0-0) Fall or Spring

An analysis of the validity and presuppositions of experimental and rational ways of proving the existence of God, of the faith-reason dichotomy and of the "God is dead" movement. An examination of the logical structure of religious language. Prerequisite: Phil. 201 or permission of instructor.

Phil. 310 Classical Greek Philosophy
3 (3-0-0) Fall or Spring

A detailed analysis of the writings of one or more of the classical Greek thinkers. Such philosophers as Plato, Aristotle, Heraclitus, Parmenides and Plotinus will be discussed. Prerequisite: Phil. 201 or permission of instructor.

Phil. 311 American Philosophy
3 (3-0-0) *

An examination of the main schools of American philosophic thought, especially the pragmatic. The course deals with contemporary American philosophy as well as the classical figures in the field. Prerequisites: Phil. 201 or permission of instructor.

Phil. 312 Aesthetics 3 (3-0-0) *

A detailed survey of both classical and modern aesthetic theories along with a criticism of each of these. Prerequisites: Phil. 201 or permission of instructor.

Phil. 340 Contemporary Philosophy
3 (3-0-0) *

Analysis of the defining features of major contemporary philosophical movements, with attention primarily to logical positivism, pragmatism and existentialism. Prerequisites: Phil 201 or permission of instructor.

Phil. 350 Introduction to Logic
3 (3-0-0) *

A study of the principles of deductive and inductive thinking and experimental inference; examination of reasoning as applied in specific areas of inquiry: history, ethics, astronomy, physics, etc. Prerequisites: Phil. 201 or permission of instructor.

Phil. 370 Ethics 3 (3-0-0) *

An examination of ethical principles and their application; analysis of problems encountered in individual and group efforts to realize ethical values. Prerequisites: Phil. 201 or permission of instructor.

Phil. 385 Linguistic Analysis
3 (3-0-0) *

An examination of the logical structures of descriptive and non-descriptive linguistic activities. Emphasis will be placed upon the picture theory of representational language as presented in Ludwig Wittgenstein. Prerequisites: Phil. 201 or permission of instructor.

Phil. 490 Seminar in Philosophy
Credit arranged *

A supervised study into a specialized problem in philosophy or into the writings of a specific philosopher or philosophic movement. Prerequisite: Phil. 201 or permission of instructor.

The Philosophy Club. The Philosophy Club is a student-oriented organization run in conjunction with the philosophy department. The club meetings do not consist of "business" but rather of philosophical discussions and dialogues on contemporary topics. Several speakers are brought in each semester from outside the area to address the club.

Physics

The Bachelor of Arts program in physics is designed around a core-curriculum of required physics and mathematics courses. Additional requirements depend on the career orientation of the individual. With this broad liberal arts education, the physics major can continue his education in such areas as biophysics, operations research, technical sales and marketing, oceanography, industrial and federal management and of course, the research physicist on the Masters and Ph.D. level.

Physics majors are required to take the following courses: Math 112, 113, 212, 213, 215, plus 1 elective math course; Physics 188, 211, 212, 311, 315, 316 plus 6 elective physics courses at the 300 or 400 level.

For students intending to pursue graduate work in physics, it is advisable to take additional courses in physics and mathematics beyond the minimum requirements. Students intending to pursue careers in physics-related professions should select electives that will best prepare them for their chosen careers.

Secondary education physics majors are required to complete the following: Math 112, 113, 212, 213; Physics 188, 211, 212, 311, 315, 316 and one elective physics course at the 300 or 400 level.

This minimal core-curriculum allows the student to broaden his science background along with other interests and according to relevant topics of the times.

Physics/Math

The requirements for this combined major are the following: Math 112, 113, 212, 213, 220, 250, 321, 329, 380; Physics 188, 211, 213, 311, 315, 316, and one elective physics course at the 300 or 400 level.

This combination of two core-curricula is a natural one for the preparation of teachers in two very closely related disciplines. Preparation for this combined degree can be effected quite easily as both physics and mathematics majors always take several courses in the other discipline either as requirements or as electives.

Phys. 105 Introduction to Modern Astronomy
3 (2-0-2) Fall

A descriptive course concerning contemporary astronomical and astrophysical theories about the solar system, galaxy and the universe.

Phys. 106 Introduction to Modern Astronomy
3 (2-0-2) Spring

Continuation of Phys. 105.

Phys. 112 Aerospace Sciences
3 (2-0-2) Spring

Relevance of space exploration to society will be integrated into course content. The laboratory will acquaint the student with propulsion systems; problems of guidance, navigation, radiation and aerodynamics; and the physiological and psychological reactions to space travel.

Phys. 151 Introduction to Physics I
4 (3-0-2) Fall

An introduction to both classical and modern physics without the use of calculus. Designed to enable the student to appreciate the role of physics in society.

Phys. 152 Introduction to Physics II
4 (3-0-2) Spring

Continuation of Phys. 151.

Phys. 160 Introduction to Acoustics
3 (2-0-2) Spring

A non-mathematical approach to the physical principles involved in the generation, transmission and detection of sound.

Phys. 188 General Physics I
4 (3-0-2) Spring

A three-semester calculus physics course emphasizing classical concepts. Selected topics in mechanics, heat, electrostatics, electromagnetism, waves and optics. Prerequisite: Math 112 or taken concurrent with Phys. 188.

Phys. 211 General Physics II
4 (3-0-2) Fall

Continuation of Phys. 188.

Phys. 212 General Physics III
4 (3-0-2) Spring

Continuation of Phys. 188 and 211.

Phys. 311 Modern Physics
3 (3-0-0) Fall

An introduction to 20th century physics, including the structure of atoms and nuclei, basic ideas of quantum mechanics and solid state theory. Prerequisite: Phys. 188-211-212.

Phys. 313 Physical Mechanics
3 (3-0-0) Fall, alternate years

An analytic treatment of classical mechanics covering the methods of statics and dynamics of rigid bodies with application to physical problems; small oscillations; generalized coordinates and Lagrange's equations. Prerequisite: Phys. 188, Math thru 215.

Phys. 314 Physical Mechanics 3 (3-0-0)
Spring, alternate years

Continuation of Phys. 313.

Phys. 315 Experimental Physics I
3 (1-0-4) Fall

Experiments in electrical measurements and circuit elements, optics and atomic physics. Prerequisite: Phys. 211.

Phys. 316 Experimental Physics II
3 (1-0-4) Spring

Continuation of Phys. 315.

Phys. 317 Physical Optics 3 (3-0-0)
Spring, alternate years

Wave phenomena, electromagnetic theory of light, interference, diffraction, polarization and non-linear optics. Prerequisites: Phys. 212, Math 215.

Phys. 318 Thermodynamics 3 (3-0-0)
Spring, alternate years

An introduction to thermal physics and kinetic theory. Prerequisite: Phys. 212, Math 215.

Phys. 319 Introduction to Solid State Physics 3 (3-0-0) Fall, alternate years

A brief summary of the theory underlying the behavior of solids. Emphasis on transport theory, interaction of light and matter, semiconductor devices, super-conductors and lasers. Prerequisite: Phys. 311.

Phys. 320 Acoustics 3 (2-0-2) Spring

Fundamentals of sound waves including gereation, transmission and detection of sound.

Phys. 321 Selected Topics I 3 (3-0-0) *

Any selected topics not sufficiently well covered in a general course.

Phys. 322 Selected Topics II 3 (3-0-0) *

Same as Phys. 321.

Phys. 333 Space Dynamics 3 (3-0-0) Fall, alternate years

Application of Newtonian mechanics to solution of actual problems in satellite trajectories and orbits; celestial mechanics and navigation. Prerequisites: Phys. 188, Math 212.

Phys. 334 Astrophysics 3 (3-0-0) Fall, alternate years

Application of physics and mathematics to field of astronomy. A study of stellar models, stellar evolution, radio astronomy and recent discoveries in astronomy. Prerequisite: Phys. 311, Math 215.

Phys. 401 Electricity and Magnetism I 3 (3-0-0) Fall, alternate years

Foundations of electromagnetic theory including electrostatics, dielectric theory, magnetic properties of matter, Maxwell's equations and an introduction to electrodynamics. Prerequisites: Phys. 211-212, Math 215.

Phys. 402 Electricity and Magnetism II 3 (3-0-0) Spring, alternate years

Continuation of Phys. 401.

Phys. 407 Introduction to Quantum Mechanics 3 (3-0-0) Fall, alternate years

An introduction to wave mechanical and axiomatic approaches to quantum mechanics with simple applications. Prerequisites: Phys. 311, Math 215.

Phys. 408 Atomic and Nuclear Physics 3 (3-0-0) Spring, alternate years

Continuation of Phys. 407; physical applications of quantum mechanics to atomic and nuclear physics.

Phys. 415 Experimental Physics III 3 (3-0-6) Fall

Research problems are assigned to the student on an individual basis.

Phys. 416 Experimental Physics IV 3 (3-0-6) Spring

Same as Phys. 415.

Phys. 417 Independent Study 3 (0-0-0) Spring or Fall

Projects under faculty direction are assigned to senior honor students.

Political Science

The Department of Political Science offers a general background in the fields of American politics, comparative politics, international relations, public administration and political theory, leading to the Bachelor of Arts degree. In combination with other fields of study, the program in political science assists in the preparation of students who are interested in careers in law, public administration, city management, law enforcement, criminal justice, urban development and planning, education, foreign service, public opinion research and journalism.

The political science major consists of 30 semester hours in political science courses. Successful completion of Psci. 101 Introduction to Political Science and Psci. 201 American Politics are required. At least 15 semester hours of political science course work must be taken in 300-400 level courses.

In order to achieve a balanced background in political science, students are required to take at least six hours in each of the four subfields (American politics, public administration, comparative-international, theory).

Students are advised to elect methodology courses consonant with their career interests; for example, pre-law students should take a course in logic; students interested in public administration and public policy should take a course in statistics and/or computer programming; students interested in the Foreign Service should take appropriate language courses; students planning to attend graduate school should consult the requirements of the school to which they plan to apply.

As a political science major, the student should plan his program to incorporate courses in the related social sciences in order to expand and enrich his education.

Secondary education majors may take course in political science for an emphasis. Political science courses are open, when indicated, for a minor sequence, for General Education or electives.

Psci. 101 Introduction to Political Science 3 (2-1-0) Fall

This course deals with methods of comparison and introductory political analysis as applied to political systems; with the concepts of power, authority, legitimacy, consensus, values. Designed for political science majors.

Psci. 201 American Politics 3 (2-1-0) Fall and Spring

A study of the basic organization of our national government, covering democratic principles, constitutional foundations, federalism, civil rights, the political party system, governmental branches and their functions, federal regulation and welfare services. Required for political science majors.

Psci. 202 State and Local Politics 3 (2-1-0) Fall and Spring

The organization, functions and processes of states and their subdivisions. The discussion of trends in state-to-state relations, state political party systems and interest groups. Emphasis on current problems of federalism: national-local relations, revenue sharing, welfare and aid to education.

Psci. 210 International Relations 3 (2-1-0) Fall

Examination of twentieth century problems of the nation-state system; power, national interest, alliances, neutralism, colonialism, regionalism and the United Nations.

Psci. 221 Law Enforcement and Criminal Justice I 3 (2-1-0) Summer

An introductory course in the causes and prevention of crime; punishment and detention of criminals; principles of organization and management in law enforcement and public safety. This course is especially recommended to students considering a career in law enforcement.

Psci. 223 Police-Community Relations
3 (2-1-0) Summer

A lecture-discussion course examining the issues and concepts surrounding police-community relations; constitutional aspects of the rule of law; minority groups and civil disobedience; the philosophy of the police in a democratic society; the conflict between order and liberty.

Psci. 224 Criminal Law 3 (2-1-0)
Fall, alternate years

A course for those students interested in law generally and particularly in law enforcement. The course will examine a number of areas: law as a process of resolution of disputes, law as a process of maintaining historical continuity and doctrinal consistency, law as a process of protecting and facilitating voluntary arrangements, law as a process of resolving acute social conflict.

Psci. 230 Contemporary Political Ideologies
3 (2-1-0) Fall

An investigation of modern ideologies — democracy, socialism, communism, nationalism, militant politics — and their effects in different political environments. Attention will be given to the issues of individual freedom, equality, political obligation, justice, and violence within these ideological frameworks. This course is designed for non-specialists.

Psci. 301 The American Presidency
3 (1-2-0) Fall, alternate years

A study of the presidential office and the men who have held it. Emphasis will be placed upon the development of the Presidency in recent times and the many interrelated roles performed by the Chief Executive in the political system.

Psci. 302 The Legislative Process
3 (1-2-0) Fall, alternate years

An examination of the legislative process at both the state and national levels to understand the role of the legislature and the legislator within the political system.

Psci. 303 Political Parties 3 (1-2-0)
Fall, alternate years

Development and nature of the American two-party system; the interaction of political parties and interest groups; the nomination and electoral system; the political party in government.

Psci. 304 Public Opinion 3 (1-2-0)
Fall, alternate years

Analysis of the role of public opinion in the political system. The process by which political opinions are formed, communicated and influence political behavior. The design and administration of a survey to measure political opinions.

Psci. 305 Urban Affairs 3 (1-2-0)
Fall, alternate years

An analysis of the interrelated problems of class, race, and social change in urban places. Attention will be given to political organizations, minority groups and the relationships between local and national politics. Special emphasis is placed on the public policies directed toward the problems of the cities.

Psci. 310 U. S. Foreign Policy 3 (1-2-0)
Spring, alternate years

United States foreign policy in the period since World War II is examined with emphasis on American interests in key areas, American values in foreign policy, roles of leaders instrumental in creating and developing foreign policy objectives.

Psci. 312 Comparative Politics: Europe
3 (2-1-0) Spring

The political systems of Great Britain, France, West Germany and the Soviet Union will be studied and compared. Investigation of political cultures, elites, party systems and the policy-making process, factors contributing to consensus and cleavage, problems of technological societies.

Psci. 313 The Soviet Union and the Communist Bloc 3 (1-2-0) Fall, alternate years

A survey of the political system of the USSR and satellite nations. The following topics will be examined: the Communist Party, planning, liberalization, political socialization and recruitment. Interaction of the communist bloc nations and their relationships with western nations and non-allied nations.

Psci. 314 Comparative Politics: Asia 3 (1-2-0) Spring, alternate years

A course intended to give students the opportunity to study the major political systems of Asia: China, Japan and India. It will compare political cultures, analyze the process of political socialization, evaluate the manner in which the elites of the country are recruited and how they function. Factors making for unity and disunity will be discussed. The role of national planning as a political force will be examined.

Psci. 315 Latin American Politics 3 (1-2-0) Fall, alternate years

A comparative study of the forces for political instability and development and the major groups competing for power in Latin American political systems.

Psci. 316 African Politics 3 (1-2-0) Fall, alternate years

A survey of contemporary developments in the politics of sub-Saharan Africa, with special emphasis on the problems of national independence and the role of Africa in world affairs.

Psci. 317 Middle Eastern Politics 3 (1-2-0) Spring, alternate years

A comparative study of the North African and Eastern Mediterranean areas from the point-of-view of the separate attempts of the authoritarian and the revolutionary states to achieve political stability and development.

Psci. 321 Constitutional Law 3 (1-2-0) Fall, alternate years

An inquiry into the general principles of the American constitutional system with special reference to the role of the judiciary in the interpretation, enforcement and development of the Federal constitution.

Psci. 323 Civil Rights and Civil Liberties 3 (1-2-0) Spring, alternate years

A study of civil rights in the American constitutional system with special reference to the role of the judiciary in the interpretation, enforcement and development of the Federal constitution.

Psci. 324 Administration of Justice 3 (1-2-0) Spring, alternate years

An examination of the role and function of the judiciary in the policy-making process. Emphasis is placed on the variables affecting the process of judicial decision-making as well as a study of modes of compliance by the populace to judicial decisions.

Psci. 330 Political Theory I 3 (1-2-0) Fall, alternate years

The first of a three-part series of courses. Political Theory I studies the work of the major political theorists from Ancient Greece to the Italian Renaissance. Among the major philosophers examined are Plato, Aristotle, Cicero, Machiavelli.

Psci. 331 Political Theory II 3 (1-2-0) Spring, alternate years

The second of a three-part series of courses. Political Theory II studies the work of the major political theorists from the German Reformation to the end of the French Revolution. Among the theorists examined will be the work of Bodin, Hobbes, Locke, Montesquieu, Rosseau, Burke, Bentham.

Psci. 333 Political Theory III 3 (1-2-0) Spring, alternate years

The first of a three-part series of courses in political theory. This course investigates the major political ideas of the 19th century — liberalism, conservatism, nationalism, socialism, and communism—as the foundation for 20th century ideologies, with emphasis on their analysis as attempts to solve the problems of industrial society.

Psci. 334 Militant Socialism 3 (1-2-0) Spring, alternate years

A survey of socialist theory of the nineteenth and twentieth centuries; this course features in its first half discussion and analysis of such key writers as Marx, Bakunin, the Fabians and Lenin. The second half of the course deals with New Left Socialism and the socialist writers of the third world: Fanon, Guevara, Mao, as well as the black militant writers, Malcolm X and Cleaver, are discussed.

Psci. 350 Public Administration I 3 (1-2-0) Fall, alternate years

An examination of the roles and characteristics of bureaucracy in modern government. Administrative decision-making is analyzed in terms of the relationship between organizational structures and social and political environments.

Psci. 351 Public Administration II 3 (1-2-0) Spring, alternate years

A survey of public personnel administration, including the development of merit civil service, classification, recruitment, promotion, training, employee relations and discipline. Organizational and administrative theories are studied.

Psci. 412 Comparative Political Development 3 (1-2-0) Spring, alternate years

An examination of the problems that new nations have encountered in the attempt to create viable political institutions. The following topics will be studied: the colonial heritage, the search for national identity, the single-party stage, political elites, the military, consensus, bureaucracy, nation building.

Psci. 430 Scope and Methods 3 (1-2-0) Spring

This course is designed to examine the present state of knowledge in Political Science, review the nature of scientific inquiry, consider its applicability to Political Science, examine various methods of research, and evaluate their applicability to Political Science through examining significant recent studies in the field. Interdisciplinary approaches and bibliographical techniques are also reviewed.

Psci. 490 Independent Study Credit Arranged

This course is designed to permit the advanced student to study a topic and conduct a research project in depth under faculty supervision. The problem studied should be one with which the student is already familiar from prior course work. The student must submit a written paper or term report. Registration requires the approval of the department chairman and the sponsorship of a faculty member who agrees to supervise the work. Number of credit hours to be assigned by instructor. May be repeated for credit.

Orbis is an organization dedicated to the promotion of political awareness within the student body. It endeavors to create a non-partizan but enlightened atmosphere regarding local, national and international affairs. It acquaints students with the career opportunities in public service available to them. Membership in Orbis is open to all students from Mansfield State College.

The College Committee for the United Nations provides for intellectual and social interaction among students interested in the field of International Relations. The Committee operates on a simulation basis. Delegates can involve themselves in numerous regional model UN Conferences and the National Model UN Conference held in New York City. These conferences are socially and academically oriented often drawing students from over 200 colleges and universities from across the country.

Psychology

The Department of Psychology stresses the need for a broadly based background through the liberal arts disciplines. Majors in psychology are required to complete certain courses within the discipline, and the remaining hours in both the lower and upper divisions are viewed as free electives. The choice of all remaining courses should be based on the individual student's interests and motivation.

The Psychology Department offers two sequences: Academic Psychology and Human Relations, both leading to the B.A. Degree in Psychology. Both provide the student with a broad background in the major areas of psychology as well as give him the basic research tools used in the behavioral sciences. The **Academic Psychology Sequence** is designed to prepare the student for graduate study in psychology. It does this primarily through the research experience of laboratory courses. The Independent Study course may also be used to research other topics of interest to the student. The **Human Relations Sequence** is intended to provide background preparation for those students planning to pursue graduate study in related fields or to obtain immediate employment in such applied areas as social work, personnel, probation and parole counseling, etc. The student is advised to minor in an area related to his vocational aspirations.

Psy. 100 General Psychology
3 (2-1-0) Fall and Spring

An introduction to the basic processes underlying human and animal behavior: sensation and perception, learning and thinking, emotion and motivation. Also an introduction to the study of human behavior in its social context. Topics to be stressed: personality dynamics, structure and development, conflict and psychopathology; the social psychology of the individual in society, attitudes and social action.

Psy. 200 Methods of Psychological Investigation 4 (3-0-2)
Fall or Spring

Detailed introduction to designing, carrying out and writing up various types of psychological studies. Laboratory work includes typical studies in operant conditioning, verbal learning and other areas. Preparation for Experimental Psychology I and II. Lectures plus laboratory work. Prerequisite: Psy. 100.

Psy. 205 Introduction to Statistical Methods 3 (2-1-0)
Fall or Spring

Introduction to basic descriptive methods and statistical inference, including parametric and nonparametric tests and correlation. Also an introduction to the logic and use of analysis of variance and covariance. Lecture and laboratory work. Prerequisite: Psy. 100.

Psy. 210 Psychology of Adjustment
3 (1-2-0) Fall and Spring

Psychological principles pertinent to the understanding of personality and interpersonal adjustment. Discussion of research and theories of social motivation, conflict, and anxiety, adjustment mechanisms and personality change. Prerequisite: Psy. 100.

Psy. 220 Child Psychology 3 (3-0-0) *

Physical, mental, social and emotional factors of human growth and development in the infant and young child. Cognitive development, the socialization process and the influence of child-rearing practices will be emphasized. Prerequisite: Psy. 100.

Psy. 230 Educational Psychology
3 (3-0-0) Fall and Spring

A study of the basic factors in the learning process, with emphasis on the application of the principles of psychology to the problems of teaching, including study of actual classroom problems and procedures. Prerequisite: Psy. 100.

Psy. 240 Adolescent Psychology
3 (3-0-0) *

Physical, mental, social and emotional factors of human growth and development in the adolescent. Prerequisite: Psy. 100.

Psy. 250 Psychology of Family Relations
3 (1-2-0) Fall or Spring

Basic course designed to teach insights from both clinical and academic psychology by readings in such areas as the psychological dynamics of the family as a unit, parent-child interactions, the effect of developmental events on the psychology of the family. Class discussion and psychodrama will be used to illustrate these concepts. Prerequisite: Psy. 100.

Psy. 260 Introduction to Small Group Processes 3 (3-0-0) *

This introductory course explores the interaction of individuals within the context of small working groups. Using a variety of activities (simulations, role playing, theory sessions, games, perceptual exercises) the students will be helped to understand the characteristics of working groups which may be generalized from one to the other. Prerequisite: Psy. 100.

Psy. 301 Human Behavioral Development
3 (3-0-0) Fall or Spring

A general survey of recent advances in theory and empirical research related to the development and modification of human behavior. The course will attempt to provide a framework of continuity within which the principles of clinical theory and practice can be integrated with those of general and traditional developmental psychology. Emphasis will be on child behavior, since studies of child behavior provide the most relevant data. Prerequisite: Psy. 100 and upper-division standing or consent of instructor.

Psy. 310 Social Psychology 3 (3-0-0) Fall or Spring

A consideration of the individual aspects of social behavior. Initially attention will be focused on some problems in perception, thinking and motivation. The following topics will be examined: theories of cognitive consistency, theories of attitude formation and their relation to personality structure, motivational determinants of group membership and social conformity, social roles and social systems including leadership. Prerequisite: Psy. 100.

Psy. 320 Experimental I, Learning Motivation and Emotion 4 (3-0-2) Fall or Spring

Human and animal learning with special emphasis on experimental evidence and techniques. Discussion of the situational and physiological determiners of behavior, theories of motivation and emotion, and laboratory work involving techniques and problems in the study of motivation. Lecture and laboratory work. Prerequisites: Psy. 100, 200.

Psy. 330 Experimental II, Sensation and Perception 4 (3-0-2) Fall or Spring

Basic phenomena of the senses, their physiological correlates and integration in complex perceptual judgments. Lecture and laboratory work. Prerequisites: Psy. 100, 200.

Psy. 340 History and Systems of Psychology 3 (3-0-0) Fall or Spring

Contributions of prominent historical figures and systems to the development of psychological theory and methodology. Examination of these systems in light of their significance for current theory. Consideration of the philosophy of science, philosophical issues in psychology and the analysis of psychological language. Prerequisite: Psy. 100.

Psy. 345 Psychological Theory 3 (2-1-0) Fall or Spring

An analysis of the origins of theory construction in modern empirical psychology. Theory construction from the areas of learning, personality, abnormal and physiological psychology will be studied in regard to common methodology and research strategies. Prerequisite: Psy. 100.

Psy. 350 Theories of Personality 3 (2-1-0) *

Consideration of the major personality theories, with emphasis on Freudian and neopsychoanalytic personality theory. Theorists such as Jung, existentialists, personality theorists and the proponents of a trait approach to personality will be discussed. Papers and discussion will concentrate on clarifying and evaluating the merits of different theories. Prerequisites: Psy. 100, 210.

Psy. 360 Abnormal Psychology 3 (3-0-0) Fall or Spring

Survey of psychopathology but with heavy emphasis on psychological theory and research, specifically with respect to (1) the difficulties in differentiating between normality and abnormality, (2) delineating the causes of emotional disturbances. Actual experience with the manifestations of psychopathology through case histories, literature and tape recordings. Prerequisites: Psy. 100, 210.

Psy. 370 Abnormal Psychology in the Drama 3 (3-0-0) *

An in-depth study of abnormal behavior as it is manifested in classic and modern drama. Plot, character delineation and the life of the playwright will be discussed in the understanding of the drama from the viewpoint of psychology.

Psy. 404 Introduction to Counselling Psychology 3 (0-3-0) Fall

Approaches to counselling and psychotherapy as well as basic techniques and dynamics of the counselling process will be discussed and developed through role-playing and analysis of group dynamics. Prerequisites: junior status, Psy. 100, 210.

Psy. 405 Counselling Psychology Practicum 3 (0-3-0) Spring

Explanation of how theories of personality, learning and perception become translated in interpersonal relations. Alternative techniques of counselling and their varying consequences will be discussed. Implicit assumptions in counselling will be discussed in an attempt to make them explicit and to demonstrate their consequences. Lecture plus experience. Prerequisites: Psy. 100, 404.

Psy. 410 Clinical Psychology 3 (2-1-0) Fall or Spring

Introduction to various aspects of the field: (1) diagnostic testing, (2) psychotherapy, (3) interprofessional relationships, (4) settings for the practice of clinical psychology. Practical experience with diagnostic procedures and projective techniques through analysis of actual cases. Prerequisite: Psy. 360.

Psy. 420 Physiological Psychology 4 (3-0-2) Fall or Spring

Physiological aspects of behavior with special emphasis upon neurological structure and function. Experimental evidence on which theories of psychophysiology are based will be studied. Lecture and laboratory work. Prerequisites: Psy. 100, 200.

Psy. 430 Psychological Tests and Measurements 3 (2-1-0) Fall or Spring

Delineation of measurement theory as well as actual experience with intelligence, aptitude, achievement, interest and personality tests. Theory and experience used to formulate guidelines by which to evaluate these tests as measuring devices with special attention to their applicability and limitations. Prerequisite: Psy. 100.

Psy. 440 Industrial and Consumer Psychology 3 (3-0-0) *

Problems and procedures in industrial psychology. Emphasis on motivational effects on such programs as incentive plans, worker adjustment, group participation, job security, training and supervision. Also the applications of psychology in personnel work. Includes selection, interviewing, training and counselling of employees, job analysis, attitude surveys and rating methods. The major factors involved in consumer psychology. Prerequisite: Psy. 100.

Psy. 450 Experimental Social Psychology 3 (2-0-2) *

Critical examination of research designs and methods for the study of problems in social psychology. Experimental projects with questionnaires, scales, interviews and observation methods, and with problems of sampling and data analysis. Prerequisite: permission of instructor.

Psy. 460 Senior Seminar 3 (0-3-0) Fall and Spring

Extensive reading and discussion of current literature in psychology selected from a wide variety of significant journals and books as they are published during the year.

Psy. 470 Behavior Modification Techniques 4 (3-0-2) Fall or Spring

An introduction to a variety of techniques for altering behavior based on learning principles and laboratory findings. A review of relevant literature will be supplemented by laboratory assignments comprising field studies, behavior mapping and behavior manipulations. The field studies will require data recording, analysis and interpretation. Prerequisites: Psy. 100, 200.

Psy. 490 Independent Study Credit arranged Fall and Spring

Students conduct independent research projects. The problem studies will typically be ones with which they are already familiar from their course work. Students must submit a written report of their work. Registration requires the approval of the department and the sponsorship of a faculty member who agrees to supervise the work.

Psychology Club. Open to all students interested in the academic and applied aspects of behavior. Its purpose is to sponsor talks, films, and projects relevant to student interests. The emphasis is upon acquainting students with job opportunities available with the B.A. in psychology.

Public School Nursing

The Public School Nursing program, leading to the degree of Bachelor of Science in Education, is designed to provide the necessary preparation for a registered nurse seeking certification to serve in public schools. Believing that the school nurse is primarily a teacher-nurse, stress is given to the development of competent educators and informed citizens. Admission to degree candidacy reflects: (1) the satisfactory completion of a curriculum in an approved school of nursing, (2) registration by the State Board of Examiners for the registration of nurses of Pennsylvania, (3) completion of an approved program at the College of 65 semester hours of additional work as detailed below.* Completion of the program and endorsement by the College will result in an Education Specialist I Certificate.

Thirty credit hours of General Education courses are required. This is broken into the following groups: (1) humanities (9 hrs.), (2) social sciences (12 hrs.), including General Psychology, (3) electives (9 hrs.).

Professional Education courses (20 hrs.) include: History and Philosophy of Education, Public School Organization, Educational Psychology, Child Development, Education of Exceptional Children, Methods and Materials of Health Nursing (including A.V.), Field Service Seminar.

Required courses related to the Public School Nursing specialization (15 hrs.) are: Public School Nursing, Public Health Nursing I and II, Foundations of Nutrition, Family Case Work or Prevention and Control of Communicable Diseases. An additional course in speech and hearing problems is strongly advised.

*course requirements subject to change.

Psn. 206 Public School Organization
2 (2-0-0) Summer

The course provides for nurses a working knowledge of the organization, administration and functioning of the American Public School System. It includes specific studies of: pupil personnel, administration, non-instructional staff, auxiliary services, the educational program, plus local, state and national professional organizations.

Psn. 300 Public School Nursing
3 (3-0-0) Summer

The course deals with special training in public school nursing as a branch of public health nursing, including historical background, the various related fields, the problems and limitations involved. Responsibilities of the school nurse and her relationship to school administrators, staff, community and others are studied. New techniques of handling children with heart disease, communicable diseases, sight and hearing problems, accident prevention, etc. are included.

Psn. 301 Public Health Nursing I
3 (3-0-0) Fall

A survey of the fundamental principles and the historical background of public health work in Europe, England, and America is made. Much stress is placed on the recent movement to bring this work-up-to-date in our state, and the training and procedure by which it is to be accomplished.

Psn. 302 Public Health Nursing II
3 (3-0-0) Spring

This course is a continuation of Public Health Nursing I. Generalized versus specialized public health nursing service is carefully analyzed. Time is spent helping each nurse learn the need for and the proper method of conducting demonstrations and in-service educational programs needed in public health work.

Psn. 303 Foundations of Nutrition
3 (3-0-0) Summer

The course is an overview of the principles of normal nutrition as they relate to therapeutic conditions in light of current developments, food habits, marketing and budgeting. The course includes: a study of food nutrients including sources, daily allowances, functions, and metabolism; nutritional needs of all age groups; programs for better nutrition; and dietary means of promoting optimum health.

Psn. 304 Family Case Work 3 (3-0-0) *

The course involves a study of the processes of interviewing and making case studies of family groups. The history and sociology of the American family is used as a background for study. Lectures, reports and seminar techniques are employed.

Psn. 305 Prevention and Control of Communicable Diseases
3 (3-0-0) *

The course is designed to help the school nurse gain a more comprehensive understanding of those communicable diseases which are creating current health problems in our communities. Included is a study of many communicable diseases not of local origin that might create problems in our country because of extensive travel by United States citizens.

Psn. 306 Field Service Seminar
3 (3-0-0) *

This course is designed to give the student a chance to visit schools, agencies and industries that employ nurses and deal with health on a community rather than an individual level. This allows the student to observe the various functions of these agencies and to discover how the public health nurse participates in agency and community planning.

Psn. 307 Methods and Materials of Health Nursing (Including Audio-Visual Ed) 3 (3-0-0) Summer

A course designed to bring into focus for the school nurse a relationship of health services available to the school child in the school, community, state and nation. Legal aspects of the school nursing situation are studied. Audio-visual education materials and techniques are stressed in light of the educational role of the school nurse.

Secondary Education

The Secondary Education Department is the professional school established to conduct and coordinate, within the College, programs for the preparation of secondary school teachers. Completion of the program will graduate students with a provisional certificate to teach in the Commonwealth of Pennsylvania. Programs are offered in the following major areas: Communication Arts (English, Speech), Foreign Language (French, German, Spanish), Mathematics, Physics/Math, Science (Biology, Chemistry, Earth and Space, General Science, Physics), and Social Studies (History, Geography, Political Science, Social Science).

Students remain in General Education for the first four semesters. To progress into the secondary education major, the student must file formal application in the Chairman's office prior to completion of the fourth semester. In general, any student who is eligible to continue in the College will be admitted to his chosen major if his academic performance, as measured by grade point average, is above the minimum required for passing in oral and written expression; in psychological, sociological, and philosophical studies; and in those courses explicitly designated for specialization in the student's chosen academic major. Consideration will also be given to social reports of personnel deans, interview procedures and department testing requirements.

General Education

Prospective teacher candidates matriculate as members of the College's lower division. They receive their academic advisement from their respective academic department and must complete the General Education requirements of that department. Each student will also initiate his area of concentration while enrolled in the lower division.

One professional course is required in the lower division — Introduction to Secondary Education (Ed. 200). All students must apply for admission to the professional school through the office of the Secondary Education Department.

Upon acceptance into the upper division, the student will complete his area of specialization and his sequence of professional courses, culminated by a field experience in student teaching.

Professional Education requirements common to all teaching options are: Ed. 200 Introduction to Secondary Education, Psy. 230 Educational Psychology, Ed. 300 Secondary School Methods, Ed. 301 Evaluative Techniques, Ed. 320 Audio-Visual Communication, Ed. 402 Professional Seminar, Ed. 401 History and Philosophy of Education and Ed. 400 Student Teaching as assigned on a semester basis.

Social Studies Major

To enter this major the following areas should be completed in General Education: six semester hours of American history, six semester hours of European history, and it is recommended that six semester hours in black studies be completed.

Upper Division courses required for a B.S. in Secondary Education Social Studies major include: History 306 20th Century American History, elected nine semester hours in the area of non-western histories; an elected twenty-four semester hours in the following areas: anthropology, economics, geography, political science and sociology. The student must elect one course in each of the above-mentioned five areas and take no more than two courses in any single area.

The completion of the B.S. in Social Studies Secondary Education requires a total of 130 semester hours.

Ed. 200 Introduction to Secondary Education 2 (2-0-0) Fall and Spring

Practical emphasis on the problems of secondary school teaching; school organization and administration; curriculum and co-curricular activities; examination of school law. This course should be scheduled in the fourth semester as it is a pre-requisite for admission into the upper division.

Psy. 220 Educational Psychology 3 (3-0-0) Fall and Spring

A study of the basic factors in the learning process, with emphasis on the application of principles of psychology to problems of learning and teaching.

Ed. 300 Secondary School Methods (Teaching of Course) 3 (3-0-0) Fall and Spring

Principles, materials, and methods of teaching English, speech, languages mathematics, sciences, or social science in the secondary school; assignment to section according to subject matter.

Ed. 301 Evaluative Techniques 2 (2-0-0) Fall and Spring

Elementary statistics, principles of test construction, selection and administration of standardized tests; emphasis on interpreting and reporting test scores; consideration of means of evaluation other than tests.

Ed. 302 Audio-Visual Communication 2 (2-0-0) Fall and Spring

The underlying philosophy, principles, and techniques involved in the use of sensory aids.

Sec. Ed. 402 Contemporary Issues in Education 2 (2-0-0) Fall and Spring

Current educational theories and practices are critically reviewed and evaluated. Through Ed. 402 special programs are scheduled to expose prospective teachers to organization and situations which will confront them but at the present are in the realm of the unknown in their educational and social background.

Ed. 401 History and Philosophy of Education 3 (3-0-0) Fall and Spring

A foundations course in the study of professional education. Introducing the student to the social, historical, and philosophical foundations of education and the relationship that exists between the school and the society it serves.

Sec. Ed. 400 Student Teaching 12 (By Arrangement) Fall and Spring

An opportunity to apply the knowledge and skills acquired in professional preparation. This is accomplished by a field experience in College-established centers under the supervision of well-qualified cooperating teachers. During this period, observations and conferences are scheduled by the College supervisor who regularly visits the student during his off-campus experience. Required course for all secondary education majors.

Sec. Ed. 420 Basic Photography 3 (2-0-1) Fall and Spring

A basic photography course to assist the teacher in the use of the camera as a teaching tool and in the supervision of photography clubs. The major part of this course will consist of practice in photographic techniques of picture taking, composition and darkroom procedures. Some emphasis on the physics of the camera and chemistry of the film and photographic processing.

Sec. Ed. 421 Television Production
3 (2-0-1) Fall and Spring

This course covers the fundamentals and principles involved in the production of television programs. This includes the operation of TV equipment, production of visuals to be used in TV and the actual production of a program.

Kappa Delta Pi. Kappa Delta Pi, an honor society in education, aims to encourage high professional, intellectual and personal standards to recognize outstanding contributions in education. To this end it invites to membership such persons as exhibit commendable personal qualities, worthy educational ideals and sound scholarship. Invitation to membership shall be dependent upon fulfillment of the following qualifications: junior collegiate standing; general scholarship of a grade ranking in the upper fifth of the Division of Professional Studies; a cumulative index of not less than 3.00.

Student PSEA-NEA. This organization is a chapter of the Student Pennsylvania State Education Association and the Student National Education Association. Its purpose is to provide members with opportunities for personal and professional growth; development of leadership skills; understanding of the history, ethics, and programs at the state and national levels.

Sociology - Anthropology

Soc. 201 Principles of Sociology
3 (3-0-0) Fall and Spring

Introduction to the structure and dynamics of human society; analysis of social groups, intergroup relations; major forces and changing aspects.

Soc. 301 Contemporary Social Problems
3 (3-0-0) Fall and Spring

Analysis of modern society through a study of selected problems including class and caste, minorities, family disequilibrium, crime. Prerequisite: Soc 201 or permission of instructor.

Soc. 302 The Community 3 (3-0-0)
Fall

Examination, from a sociological perspective, of several forms of human settlement, with special emphasis on the urban community. Prerequisite: Soc. 201 or permission of instructor.

Soc. 303 Methods of Social Research I
3 (3-0-0) Spring

Steps in the research process; formulation of the research problems; phases and problems in the design of social research; methods of data collection, classification, analysis and interpretation of data. Students will prepare research instruments and carry out a research project. Prerequisite: Soc. 201.

Soc. 304 Methods of Social Research II
3 *

Continuation of Soc. 303 with emphasis upon quantitative techniques of social measurement such as attitude scaling and some consideration of problems in elementary social statistics and methodolgy. Prerequisite: Soc. 303.

Soc. 305 Sociology of Religion
3 (3-0-0) Spring

A systematic analysis of the interrelationship of the individual, religion and society. Religion is examined with particular emphasis on order and change within social systems. Prerequisite: Soc. 201.

Soc. 310 Social Theory 3 (3-0-0)
Fall or Spring

A critical analysis of significant theoretical formulations with emphasis on American and European theorists of the 20th century. The approach will include an examination of the relation between theoretical development and current research emphases. Prerequisite: Soc. 201.

Soc. 490 Seminar Credit Arranged
3 (3-0-0) *

Intensive group study on topics in the field of sociology with individual studies contributing to the group.

Anthro. 201 Introduction to Cultural Anthropology 3 (3-0-0)
Fall and Spring

An introduction to culture as a concept and to cultural variations in human groups. Cultural structures are examined as well as the processes associated with their development and change. Case studies of both western and non-western cultural configurations are employed to illustrate the concepts.

Anthro. 202 Introduction to Physical Anthropology and Archaeology
3 (3-0-0) Fall and Spring

An introduction to the study of modern varieties of man and current techniques of observation. The development of man from Ice Age times to the present and the major genetic principles involved. Precedures of human paleontology, prehistoric archaeology and anthropometry.

Anthro. 301 World Ethnography
3 (3-0-0) Fall or Spring

The major culture areas of the world and the distinguishing institutional patterns connected with each; the culture complex of Southwest Asia and Europe, the complex of Southeast Asia and Oceania, the complex of North and South America, and the complex of Africa south of the Sahara.

Anthro. 303 Social Organization
3 (3-0-0)) Fall or Spring

Analysis of the universal bases of the division of social function: sex, age, kinship, common residence and voluntary associations. Examination of the formal and informal mechanisms of social control.

Anthro. 304 Cultures and Peoples of the Middle East 3 (3-0-0)
Fall or Spring

Examination of distinguishing features of contemporary Middle Eastern society and culture in their evolutionary context.

Anthro. 310 Anthropological Theory
3 (3-0-0) Fall or Spring

A study of the schools of thought in anthropology, and of leading concepts developed and employed in the discipline, and important figures who have contributed to anthropological theory.

Anthro. 490 Seminar in Anthropology
3 (3-0-0) Fall or Spring

Intensive group study on topics in the field of anthropology with individual studies contributing to the group.

Special Education

This program offers an undergraduate major in special education for the mentally retarded (educable and trainable). It leads to a Bachelor of Science Degree in Education and includes the granting of an Instructional Certificate for teaching mentally retarded children and youth in Pennsylvania. The curriculum develops skills needed in appraising the nature and origin of learning disabilities in retarded and other exceptional children. It considers appropriate school adjustments needed for these children and youth. To enhance the theoretical phases of the curriculum, provisions are included for students to get observation and field experience in such special education settings as the following:

Tioga and Bradford County Special Classes
Martha Lloyd School, Troy, Pennsylvania
The Laurelton and Selinsgrove State School and Hospital

Lower division students tentatively interested in this major should include the following in their first two years of General Education: Psy. 100, 230; Sp. Ed. 101 and 201.

The major area of specialization includes: Sp. Ed. 101 Introduction to Exceptional Children, Sp. Ed. 201 Nature of Mental Retardation, Sp. Ed. 301 Curriculum Adjustments for the Retarded, Sp. Ed. 302 Diagnostic and Corrective Teaching, Sp. Ed. 303 Observation and Participation in Mental Retardation, Sp. Ed. 401 Teaching the Retarded in the Elementary School, or Sp. Ed. 402 or 403, Sp. Ed. 400 Student Teaching in Mental Retardation, Sp. Ed. 410 Professional Seminar in Mental Retardation, and 12 credit hours of electives, for a total of 44 credit hours.

Generally, junior college and other advanced transfer students may be sequenced into this major with a minimum of difficulty. Interested transfer students should contact the department chairman for an evaluation of their transcripts and further information.

Sp. Ed. 101 Introduction to Exceptional Children 3 (3-0-0) Fall and Spring

Nature and needs of children who are exceptional in emotional, social, physical, and intellectual development, including gifted. Career opportunities in special education, rehabilitation and related areas. Observation in special education settings. Prerequisite: Psy. 100.

Sp. Ed. 201 Nature of Mental Retardation 3 (3-0-0) Spring

Causes, classification, and characteristics of the mentally retarded and neurologically impaired. Consideration of differential diagnosis, mental testing, research findings and educational, psychological, and social implications. Emphasis on educable and trainable retarded. Observation and field trips. Prerequisite: Sp. Ed. 101.

Sp. Ed. 301 Curriculum Adjustments for the Retarded 3 (3-0-0) Fall

Study of philosophy, special curriculum, methods and materials in educating the mentally retarded. Considers goals, school organization, grouping, planning, unit instruction, teaching-learning process, evaluating pupil progress and parent and other agency relationships. Prerequisite: Sp. Ed. 201.

Sp. Ed. 302 Diagnostic and Corrective Teaching 3 (3-0-0) Spring

Study and directed application of selected achievement and other special tests and procedures useful for diagnostic and corrective teaching of children with learning disabilities. Development of teaching procedures adjusted to individual needs or weaknesses. Prerequisite: Sp. Ed. 201.

Sp. Ed. 303 Observation and Participation in Mental Retardation 3 (2-0-1) Fall and Spring

Observation and participation in educable and trainable special classes with seminar class discussions and conferences with instructor. Considers teaching — learning process, selecting, organizing and presenting curriculum materials at different grade levels. Case study project. Prerequisites: Sp. Ed. 301, Psy. 230.

Sp. Ed. 310 Survey of Speech and Hearing Disorders 3 (3-0-0) Fall and Spring

Introduction to the field of speech pathology and audiology with orientation toward the classroom teacher. Development of understanding of the nature of specific speech, hearing, and language disorders, recognition of these disorders and basic principles of speech correction. Students are introduced to methods of speech training appropriate for classroom teachers. Prerequisite: Sp. Ed. 101.

Sp. Ed. 320 The Mentally Gifted 3 (3-0-0) *

Physical, mental, emotional and social characteristics of mentally gifted children and youth. Consideration of teaching procedures, types of organization and curriculum materials for their education. Explore creative activities, guidance, evaluation of programs and research findings. Prerequisite: Sp. Ed. 101.

Sp. Ed. 330 Disadvantaged Children and Youth 3 (3-0-0) Fall and Spring

Introductory study of definitions, causes, characteristics and education of children and youth from disadvantaged environments. Consideration of problems in social-psychological context with implications for programs of improvement and research findings. Prerequisite: Psy. 100.

Sp. Ed. 400 Student Teaching in Mental Retardation 12 (12-0-0) Fall and Spring

Practice teaching under supervision of master teachers. Placement will be in two different special classes as assigned by the Department. Required of all students working for a degree in teacher education.

Sp. Ed. 401 Teaching the Retarded in the Elementary School 3 (3-0-0) Fall

Concerned with organizational procedures, curriculum practices and techniques used in educating mentally retarded children in elementary schools. Emphasis on primary and intermediate programs. Prerequisite: Sp. Ed. 303.

Sp. Ed. 402 Teaching the Retarded in the Secondary School 3 (3-0-0) Fall

Study of organizational procedures, curriculum practices and methods and techniques used in educating the mentally retarded in junior and senior high schools. Emphasis on prevocational and work-study programs. Prerequisite: Sp. Ed. 303.

Sp. Ed. 403 Teaching the Trainable Mentally Retarded 3 (3-0-0) Spring

Organization of special classes and school programs for severely retarded children and youth. Diagnosis and classification. Development of teaching materials and techniques. Community organizations and parent education. Prerequisite: Sp. Ed. 303.

Sp. Ed. 410 Professional Seminar in Mental Retardation 2 (2-0-0) Fall and Spring

Considers general orientation and critiques concerned with classroom problems, study of school law, school organization and administration, and role of special education in this context.

Sp. Ed. 490 Learning Disabilities 3 (3-0-0) *

Considers learning needs and problems of children with special learning disabilities in listening, thinking, speaking, reading, writing, spelling, and/or arithmetic. Discussion of definitions, etiology, diagnostic problems and research findings, emphasizing the multidisciplinary approach. Development and evaluation of remedial procedures and materials with practical application. Prerequisites: Psy. 230, Ed. 301.

The Council for Exceptional Children, Omega Rho Chapter. The Council for Exceptional Children is an affiliate of the national organization of the same name. Membership in our college chapter is open to all college students and especially those interested in becoming teachers of children who are mentally retarded, gifted, physically handicapped, or speech defective.

Regular meetings provide opportunities for members to meet and talk with specialists in the field. The organization also plans other activities of interest to the group such as sponsoring parties for area special class children. Visits are made to special schools and institutions. Included in the national dues is a professional journal published monthly.

Speech Communication And Theatre

The Department of Speech Communication and Theatre serves four basic groups of undergraduate students:

1. those who plan to go on to graduate work
2. those who plan to teach and direct speech and theatre activities in the secondary school
3. those who wish a sound basic training in speech communication or theatre and who intend to work as professionals in their chosen field (professionals other than professional teachers)
4. those who are simply majoring in speech communication and/or theatre as a humanistic discipline just as they might major in English or in history.

A program of studies in speech communications and/or theatre must be worked out in consultation with the student's advisor who will be a member of the department faculty. It is helpful if the student can indicate his major interest upon entering the College, but in all cases he should declare his major field of concentration by the end of his fourth semester. Students may earn either the Bachelor of Arts or the Bachelor of Science degree.

In general, the associate degree from an accredited junior college is acceptable at face value for entrance requirements into the College. Any student who seeks transfer of credit into the specific discipline of speech communications or theatre, as a major, will be granted credit for a particular course only if he can satisfy the department that he has had the equivalent of the minimal work required for that course. In granting advanced credit, however, it should be remembered that we are concerned that the student have a rather substantial range of information about an area rather than unstructured and random experience (for example, the fact that someone has worked as a crew member in several shows should not be considered adequate grounds for excusing him from taking a course in stagecraft).

The new program in speech communication and theatre includes a provisional course sequence to satisfy expected requirements for meeting standards for certification in communication as suggested by the Pennsylvania Department of Education.

Every student who majors or has an interest in majoring in the department will be provided with a handbook detailing functions of the department and a four-year projected course sequence for each area of concentration within the department.

Speech 101 Oral Communication
3 (1-2-0) Fall and Spring

This course is required of all Mansfield students. It is a general course that emphasizes oral delivery, attitude, critical listening, audience analysis and organization of basic types of speeches, as well as practice in non-verbal communications. This study will develop individual insights through practice and critical analysis. A creating of awareness and understanding of basic processes of communication. It does not count for major credit.

Speech 110 Introduction to Theatre
3 (2-1-0) Fall or Spring

A basic approach to the dramatic art which consists of survey of drama and the art and craft of the theatre. This course does not include practice in applied theatre.

Speech 200 Oral Interpretation
3 (1-2-0) Fall or Spring

An introductory course into the methods and presentation of oral readings of prose, dramatic literature and poetry. Practical experience in presentation of selections will be included. The student should be able to understand and appreciate oral interpretations as the communication of the reader's impression of the author's intent in a piece of literature.

Speech 201 Introduction to Mass Media
3 (1-2-0) Fall or Spring

A course concerned with the application of modern mass media, its origin, history, theory, principles and philosophy to the areas of entertainment, instruction and audience persuasion. Practical experience is provided in the basic media.

Speech 202 Creative Dramatics
3 (1-2-1) Spring

A study of the theories and techniques and the use of creative dramatics with children and young adults. Techniques will be of value for the teacher in the school, for church and community groups with entertainment and social development included in these areas.

Speech 203 Voice and Articulation
3 (1-3-1) Fall or Spring

A course in the practical study and theoretical aspects of voice and articulation improvement. A study of the basics of phonetics. Emphasis is on establishing cultured speech habits in the individual student. Prerequisite: Speech 101 Oral Communication.

Speech 204 Public Speaking 3 (1-3-0)
Fall or Spring

An advanced study of the construction, preparation and delivery of the basic types of speeches and their effect in public speaking situations. Prerequisite: Speech 101 Oral Communication.

Speech 206-209 Forensics 1-4
(0-0-2) Fall and Spring

Designed for the student interested in inter-collegiate debating and forensics. The theory and practice of competitive speaking in debating, extemporaneous speaking, original oratory, interpretation and other forensic events. (Four semester sequence—1 credit per semester).

Speech 210 Stagecraft 3 (1-2-1)
Fall or Spring

A study of the principles and procedures of constructing, handling, assembling, and painting of stage scenery and properties along with familiarity with lighting instruments and their control. Students help build sets for the major productions. This course develops safe workshop methods and respect for the equipment in use to construct scenery. This, plus practical experience in the workshop, should provide the student with general skills in production work.

Speech 212 Fundamentals of Acting
3 (1-2-1) Fall or Spring

The study of the technique and methods of acting. This is designed for the beginning actor with little or no experience. Included in this course will be a history of acting and theories, basic techniques and preparation for a role stressing the creativity of the individual student.

Speech 214 Make-up 1 (1-0-2)
Fall or Spring

Practical course designed to familiarize the student with the basic principles and techniques behind the application of stage make-up. The student will become aware of the various types of make-up and how to put it in use in order to enhance a dramatic characterization.

Speech 300 Applied Phonetics 3 (0-3-0)
Spring, odd-numbered years

Application of the international phonetic alphabet and phonetic theory to the description of American English and dialects of English; emphasis is also on transcription, pronunciation, sound change and speech improvement. Prerequisite: Speech 101 Oral Communication.

Ed. 300 Teaching Speech and Drama in the Secondary School 3 (1-2-1)
Fall, alternate years

The course covers the objectives, status, and problems of speech education in the public schools; principles and methods of teaching speech and drama units and courses; methods of developing a speech and drama syllabus; the organization, direction, and presentation of the co-curricular speech and drama activities.

Speech 305 Discussion and Group Dynamics 3 (1-2-1)
Spring, alternate years

A study of the techniques and principles of the interview and discussion and their use in a democratic society for investigation and problem situations. Practice in discussions (formal and informal), public and private situations, discussion of techniques of leadership and the nature and purpose of discussion. Also the practical experience of an interview situation. Prerequisite: Speech 101.

Speech 306 Argumentation and Debate 3 (1-2-1) Fall, alternate years

A study of the theory and practice of argumentation and debate. Understanding of the principles, philosophy and use of argumentation and debate. The basic use of logic and reason in argumentation and debate. Prerequisite: Speech 101.

Speech 308 Readers Theatre 3 (1-2-1)
Fall or Spring

The philosophies and techniques involved in the organization and presentation of Readers Theatre and Chamber Theatre production is studied. Both reader and audience are stressed. The major objective is to give students experience in the organization, participation, direction, and selection of materials and presentation of Readers Theatre or Chamber Theatre productions. Prerequisite: Speech 200.

Speech 309 Choral Speaking 3 (1-2-0)
Spring, odd-numbered years

An introduction to the basic principles and history of speaking chorally. The educational uses of choral speaking and active participation in directing and participating in a performance.

Speech 310 Fundamentals of Directing 3 (1-1-2) Spring

A basic approach to the principles and procedures of directing a play. Practical application through student's directing of workshop scenes and a one-act play presented to an audience. Prerequisite: Speech 210 and Speech 212.

Speech 312 Stage Lighting 3 (1-0-3)
Spring, alternate years

A study of lighting techniques and its place in the theatre arts. The basic history and major contributions to dramatic productions. Lighting application and control are studied. Experience is gained by the student as he participates in lighting various productions. Prerequisite: Speech 210.

Speech 313 Scene Design 3 (1-1-2)
Fall or Spring

A study of the principles of scene design, including attitudes that are directly related to the modern theatre: (a) vision and imagination of creative artist, (b) the ingenuity and skills of the stage artisan, (c) knowledge and sense of the theatre, of the actor, director and playwright. Prerequisite: Speech 210.

Speech 314 Survey of Theatre History
3 (3-0-0) Spring

A study of the developments in the theatre from its primitive origins to recent movements in the 20th century. Plays relating to various dramatic periods will be read in order to give the student an awareness and understanding of each period.

Speech 400 Communication Theory
3 (1-2-1) Fall or Spring

An investigation and study of theories of communicology, communication barriers, relationship between signs, symbols and the communication process. Introduction to general semantics, systems analysis, general systems theory and a study of the English language as they relate to the study of human communication.

Speech 401 Persuasion 3 (1-2-0)
Fall or Spring

The study of the psychology of persuasion and its use in a free society. The use of propaganda and its affect on our daily living. To prepare the student to evaluate persuasive messages and to use persuasion effectively and to appreciate the ethics of persuasion.

Speech 403 Critical Survey of Public Address 3 (2-1-0)

An analysis of outstanding speeches focusing on rhetorical theory and its development. The student will be able to understand and appreciate the history of oratory, rhetorical criticism and public address.

Speech 405 Creativity in the Related Arts 3 (2-1-0)
Summer only

This course combines a philosophical approach to the introduction of the creative process which dominates the related art field. A related arts experience using color, movement, sound, form and space. Emphasis on creative expression, forms of communication and implications for enriched living. The student should develop an understanding of the creative process and of aesthetic principles in his environment.

Speech 406 Creative Puppetry
3 (1-2-1) Summer only

The course includes the making and manipulation of puppets and the technical aspects of producing puppet shows. The creation of informal puppet plays and a history of puppets and their background.

Speech 410 Play Production 3 (1-2-2)
Summer only

A fundamental approach to the aspects of dramatic art. Knowledge of all areas of play production is required: organization of crews, designs, construction, lighting, directing, casting and handling the business of the production. The student will learn to develop a production combining all essentials of the art.

Speech 414 The Musical Theatre
3 (3-0-0) Fall, alternate years

A study of one of America's greatest contributions to the dramatic arts. The history of this theatre and problems of directing, acting and stagecraft will be studied.

Speech 416 Dramatic Theory and Criticism
3 (3-0-0) Fall, alternate years

A study of the theories of tragedy and comedy, the psychology of the audience critic, and trends of the modern stage and individual philosophies within these areas. Prerequisite: Speech 314.

Speech 417 Play Structure and Analysis
3 (3-0-0) Fall or Spring

A study of dramatic literature, through analysis of selected plays and their significance in the development of the dramatic form. Each play will be studied for a realization of the social and cultural conditions in which the playwright lived and worked along with an investigation into his intent and craft. Prerequisite: Speech 314.

Speech 418 Playwriting 3 (1-1-2) *

A study of the principles and theories of dramatic structure and practice in writing dramatic productions. Prerequisites: Speech 314, 417, 310 or consent of instructor.

Speech 450 Special Projects in Speech and Drama 1-3 (Arranged) Fall and Spring

Individual projects designed for advanced students in speech and drama under the supervision of a faculty member in the department.

Speech 402 and 505 Workshop in Speech Communication and Theatre 3 (2-1-2) Summer only

A special three week concentrated summer workshop course to train in-service and/or prospective teachers of communication in techniques related to general and specific communication situations through classroom experiences provided by direct contact between experts in communications and workshop students.

The Forensic Society. Students who are members of the Forensic Society may participate in inter-collegiate speaking competition. They may compete in oratory, interpretation, impromptu, after-dinner, extemporaneous, discussion, and debating. No experience is necessary. Students may take Speech 206-209 for credit for forensic activities.

Pi Kappa Delta. A National honorary that awards membership to those students participating in inter-collegiate forensics.

Players. Recreation through the dramatic arts in the areas of acting, business and the technical fields of the theatre are the aims of M.S.C. Players. Applications are welcome from students interested in costuming, make-up or staging. Students interested in acting are selected by tryout.

Readers Theatre Showcase. The purpose of this organization is to further the interests and develop the abilities of M.S.C. students in the areas of oral interpretation and readers theatre. This purpose is accomplished through social, instructional and service activities.

College Activities and Organizations

The student activities program has been organized to encourage student participation in many areas of academic, social, ethical, cultural and recreational life. With a wide variety of activities each student is given the opportunity to enlarge his cultural development through group participation. The entire program is a supplement for classroom learning, social living and spiritual fulfillment.

Honorary Organizations

Alpha Beta Alpha. Alpha Beta Alpha is a national honorary library fraternity seeking to promote people, books and services in librarianship. Membership is open to all students of Library Science who have a cumulative average of 2.00 and who have completed one semester at Mansfield.

Alpha Psi Omega. Alpha Psi Omega is a national honorary dramatics fraternity. It provides an honor society for those doing a high standard of work in dramatics. As students participate in The Players, they are awarded points which qualify them for election to membership in the fraternity.

Delta Phi Alpha. Delta Phi Alpha is a national German honorary fraternity which seeks to recognize excellence in the study of German and to provide an incentive for higher scholarship. In order to qualify for membership a student must have a minimum of two years of college German or its equivalent with the attainment of sophomore standing.

Delta Tau Gamma. Delta Tau Gamma is an honorary service fraternity. Its purpose is to join together students of the campus who have by past service to the College proven themselves worthy of honor and who will, by virtue of this association, continue to provide further service to the college community.

Gamma Theta Nu. The purpose of this new honorary society is to band together, honor, and recognize selected college/university persons who have demonstrated excellence in the communicative arts of oral interpretation, readers theatre, and chamber theatre.

Gamma Theta Upsilon. Gamma Theta Upsilon is an international honorary geographical society. M.S.C.'s chapter is Beta Omicron. The Society's purposes are to further professional interest in geography, to strengthen student and professional training through academic experiences, and to advance the status of geography as a cultural and practical discipline.

Gwens. The Gwens, a sophomore women's national honorary organization, exists on the campus of M.S.C. to serve the college community. Composed of sophomore women selected on the basis of scholarship, service, and character, the organization offers its services to the members of the administration, the faculty and campus organizations.

Honors Society. The genesis of the Honors Society was the annual dinner (sponsored by the Faculty) in honor of students attaining academic excellence. The Society is an attempt to fulfill the need for an inter-departmental society to encourage and stimulate academic scholarship at M.S.C. The society shall consist of all students nominated who have earned a ranking in the upper ten per cent of the junior class provided that no student shall be admitted without a cumulative average of 3.00 or higher.

Kappa Delta Pi. Kappa Delta Pi, an honor society in education, aims to encourage high professional, intellectual and personal standards to recognize outstanding contributions in education. To this end it invites to membership such persons as exhibit commendable personal qualities, worthy educational ideals and sound scholarship. Invitation to membership shall be dependent upon fulfillment of the following qualifications: junior collegiate standing, general scholarship of a grade ranking in the upper fifth of the Division of Professional Studies, a cumulative index of not less than 3.00.

Kappa Omicron Phi. The purpose of this honor society is to further the best interests of Home Economics and the members. Members are chosen according to definite scholarship and character requirements, and by the unanimous vote of the members. To be eligible, Home Economics students must have completed eight semester hours in Home Economics.

Pi Delta Phi. Pi Delta Phi is a national French honorary society. It recognizes excellence in the study of French and promotes the study of French culture. In order to qualify for membership, a student must have a "B" average in French, have an over-all scholastic average of 2.7 and have completed French 202.

Pi Kappa Delta. This national honorary awards membership to any regular college student who participated in intercollegiate debating or individual speaking contests. The goal of the organization is to further the interests of inter-collegiate speaking activities and to award those who engage in these speaking activities.

Phi Sigma Pi. Phi Sigma Pi, a national honorary fraternity for men, is the oldest fraternity guiding M.S.C. men and serving the College. Membership is by invitation only and is limited to outstanding undergraduate male scholars of superior scholastic professional and social standing, who have completed at least one year in residence and have obtained at least a 2.90 scholastic average.

Sigma Delta Pi. Sigma Delta Pi is the honorary Spanish fraternity. In order to qualify for membership, a student must have a "B" average in Spanish, an overall scholastic average of 2.75 and have completed Spanish 330.

Sigma Zeta. Sigma Zeta is a national honorary science and mathematics society in which active membership is restricted to upperclassmen possessing high ideals and scholarship. Freshmen and sophomore science or mathematics majors, who have completed a minimum of eight semester hours in these fields and whose work indicates high scholarship, are eligible for associate membership.

Tau Beta Sigma. Tau Beta Sigma is a women's national honorary band sorority whose purposes are service to the band and to the alma mater.

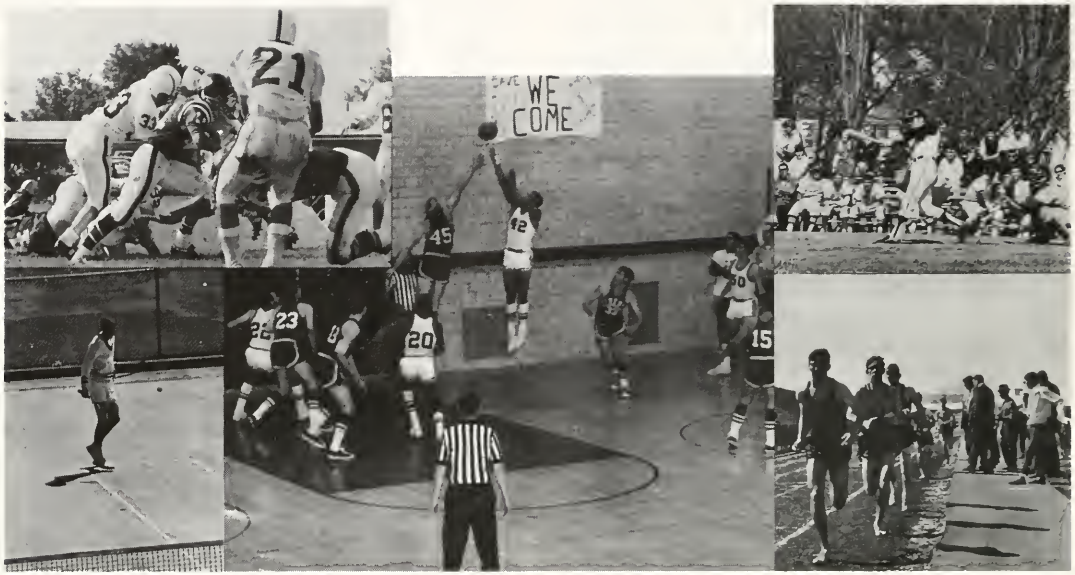
Special Events

Art Acquisition Program. An Art Acquisition Program has been in existence at Mansfield for the past ten years, its purpose being the acquisition of significant original works of art and the development of a worthwhile art collection for the College. Funds are allocated yearly by the Student Government Association and are under the direction of a Student-Faculty Committee. The collection now includes about ninety works; oil paintings, watercolors, intaglios, etchings, woodcuts, lithographs, sculpture and ceramics.

Art Exhibition Series. With the completion of the Library-Administration Building in September 1960, a monthly art exhibition series was inaugurated on the Mansfield campus for the cultural and esthetic development of the student body as well as for the community. Drawings, prints, watercolors, oil paintings and sculptural works have been exhibited.

Assemblies. Assemblies for the college community are scheduled periodically on Tuesdays and Thursdays at 1:00 p.m. in Straughn Auditorium. Their primary purpose is to supplement the work of the classroom and to vary student activities.

Commencement. Attendance at Commencement ceremonies is required unless circumstances demand graduation in absentia, which is permitted only by the President of the College.



Concerts. Various music groups such as the College Community Orchestra, Concert Wind Ensemble, Phi Mu Alpha, Sigma Alpha Iota and others present evening concerts. These concerts are open to the students, faculty and public and enhance the cultural entertainment of the campus.

Feature Series. The Mansfield Feature Series brings to the campus some of the world's greatest names in the performing arts. Recently the College has presented such names as Marilyn Horne, The Oleata Basque Festival, the National Shakespeare Company and others of comparable stature. Admission to these programs is covered by the student activities fee.

Intercollegiate Athletics. The athletic program of Mansfield State College is intended to supplement the academic curriculum and to complement the social and recreational opportunities afforded students by the many other activity programs sponsored by the College. Athletic policies and practices are the joint responsibility of the Athletic Policies Committee, the Student Council and the Administrative Council. Opportunity is provided for all men students who are physically eligible and subject to the rules and regulations governing intercollegiate competition to participate in intercollegiate baseball, basketball, football, golf, tennis, track and wrestling.

Motion Pictures. Motion pictures are often shown on Friday, Saturday or Sunday evenings in Allen Hall or Straughn Auditorium under the auspices of the Auditorium Movie Committee. Schedules are posted on campus bulletin boards. Admission is covered by the student activities fee.

Special Interest Organizations and Publications

Art Club. The Art Club is open to all students interested in the creation and appreciation of all aspects of art. Art Club is responsible for the promotion of art exhibition and art acquisition programs. This organization is affiliated with the Eastern Arts Association.

Campus Girl Scouts. The MSC group of Campus Girl Scouts was officially chartered by the Girl Scouts of the U.S.A. in March 1969.

Carontawan. The Carontawan, which derives its name from the Indian word meaning "little town on the hill," is M.S.C.'s yearbook. The annual publication is dedicated to student life at Mansfield.

Chemistry Club. The Chemistry Club was formed to afford students the opportunity to see the professional world of chemistry at work outside the college classroom and laboratory. The club sponsors guest lectures, films and tours through chemical industry and research laboratories. Student projects in science are also encouraged. Membership is open to all M.S.C. students who have attained a QPA of at least 2.00 or better.

Conception. **Conception,** the student literary magazine, is a collection of the best student poetry and fiction written at M.S.C. and submitted for publication during the previous year. Prizes are awarded for the most notable poem and story published in each issue.

Council for Exceptional Children: Omega Rho Chapter. The Council for Exceptional Children is an affiliate of the national organization of the same name. Membership in our College is open to all college students and especially those interested in carrying on careers working with individuals who are mentally retarded, gifted, physically handicapped, speech defective, emotionally disturbed or disadvantaged.

Day Student Organization. The Day Student Organization acts as the governing body of the day students, provides organized representation of the day students in the Student Government Organization, the College Union Board, the Men's-Women's Hearing Board and numerous other important campus organizations

Its purpose is to encourage day students to become an integral part of the college community by participating in campus activities and by seeing that adequate facilities are provided for day students on the campus.

The Falcon. **The Falcon** is a nationally distributed literary magazine, edited by members of the English department, publishing the work of current American poets and fiction writers. Contributors have included writers of national reputation as well as new or previously unknown writers from across the country.

The Flashlight. The student newspaper, published weekly, is written by students interested in journalism and distributed to all students and faculty members. Its function is to inform the members of the M.S.C. community as to what is happening within all spheres of interest.

Forensic Society. The Forensic Society offers students experiences in a variety of speaking activities on the intercollegiate level. Students may compete in debate, oratory, discussion, interpretation, extemporaneous speaking, plus a variety of other activities.

4-H Club. The purpose of the 4-H Club is to provide former, present, and future members with the opportunity to participate in 4-H, to develop leadership and citizenship.

General Alumni Association. The General Alumni Association at Mansfield State College is chartered under the laws of the Commonwealth of Pennsylvania for the purpose of fostering a spirit of fellowship and continuing loyalty to the College. The Association meets annually.

The Mansfieldian keeps the alumni informed of the progress of the College and of the activities of the alumni and the various alumni clubs. This publication is sent semi-annually to all alumni.

Homecoming in the fall and Alumni Day in May are the two major campus events of the year for alumni. Alumni clubs in many parts of the country hold regional meetings.

Intramural and Recreational Sports. In addition to the intercollegiate program a wide variety of intramural sports is encouraged. These include tennis, basketball, volleyball, bowling, badminton, touch football, roller skating, shuffle board, wrestling, swimming and track.

Kappa Kappa Psi. Kappa Kappa Psi is a national band fraternity whose purpose is to honor outstanding bandsmen through membership. The membership also serves as a service organization to the band program.

"M" Club. The "M" Club is comprised of men who have earned a varsity letter in one or more intercollegiate sports. Its purposes are to encourage wholesome living and good sportsmanship and to stimulate interest in athletics. Among the awards given by the "M" Club are the varsity letter, M Club pins and lifetime membership to qualifying athletes.

Music Education Club. The Music Education Club is an organization open to all students and faculty interested in the music education field. The purpose of the club is to create a greater interest in and understanding of music education.

Omicron Gamma Pi. Omicron Gamma Pi, a college chapter of the Pennsylvania Home Economics Association, is affiliated with the American Home Economics Association. All home economics students are encouraged to join.

Phi Mu Alpha Sinfonia. This national professional musical fraternity is for men who plan to make music their profession or vocation. This fraternity aims to advance the cause of music in America, to foster the mutual welfare and brotherhood of students of music, to develop true fraternal spirit among its members and to encourage loyalty to the alma mater.

Players. Recreation through the dramatic arts in the areas of acting, business and the technical fields of the theatre are the aims of M.S.C. Players. Students interested in acting are selected by tryout. Applications are welcome from students interested in costuming, make-up or staging.

Psychology Club. The Psychology Club is open to any student with an interest in psychology and related fields. It is stressed that members need not be psychology majors. The club serves both as an educational and social functioning body.

Radio Station. WNTE is a 10-watt educational FM station operating on 89.5 megacycles providing full educational and popular programming for the College and the community. The station welcomes new students, either experienced or interested in learning radio operation.

Readers Theatre Showcase. The purpose of this organization is to further the interests and develop the abilities of M.S.C. students in the areas of oral interpretation and readers theatre. This purpose is accomplished through social, instructional and service activities.

Sigma Alpha Iota. Sigma Alpha Iota is a national music fraternity for women which encourages high standards of musicianship and scholarship.

Ski Club. The Ski Club's main interest lies in skiing, the pursuit and enjoyment of the sport, and the intrinsic items which go along with the sport.

Student PSEA-NEA. This organization is a chapter of the Student Pennsylvania State Education Association and the Student National Education Association. Its purpose is to provide members with opportunities for personal and professional growth; development of leadership skills; understanding of the history, ethics and programs at the state and national levels.

Veterans Service. All veterans affairs are conducted through the Office of Financial Aid. All new students eligible to enter with veterans benefits should apply to their nearest Veterans Administration Regional Office for official certificates of entitlement. This application for entitlement should be made only after the veteran or eligible student has been officially notified of his admission.

Mansfield State College is approved to provide training for eligible persons under the provisions of Public Law 634.

Women's Athletic Association. The Women's Athletic Association provides facilities to create and to develop interest in athletic and recreational activities which have a carryover value for worthy use of leisure time.

Young Republicans. Young Republicans is affiliated with the State College Council of Young Republicans. The goal of the club is to stimulate interest in college students for political activities and governmental affairs from a Republican viewpoint.

General College Regulations

Acceptance of admission to Mansfield State College constitutes agreement to comply with its rules and regulations. Every student, regardless of age or location of college residence, is responsible for knowledge of these rules and regulations as outlined in the **Password**, the student handbook. The student is also responsible for knowledge of any and all revisions or additions of college rules and regulations.

Basic to the code of conduct are the regulations governing alcoholic beverages, illegal drugs, public disturbances, gambling, and student obligations and responsibilities. These policies have been formulated by a joint student-faculty committee and adopted by the Student Government Association, the Faculty Association and the College Board of Trustees.

Responsibility of enforcement lies in the Mansfield Judiciary System. It has been established to protect the student's individual rights as well as the welfare of the institution regulated by the laws of the Commonwealth of Pennsylvania. The College reserves the right to exclude, at any time, a student whose conduct or academic record proves unsatisfactory. Further information on the Judiciary System can be found under "Student Government and the College Judicial System," a detailed description of which is outlined in the **Password.**

Counseling and Testing Services

The Counseling and Testing Services assist students in making decisions related to the immediate problems of college adjustment and to broader problems of effective living. Students are invited to make an appointment for help in strengthening academic performance, developing career plans, solving situational problems or improving personal relationships.

With a professional counselor, the student may explore freely and in confidence any problems or feelings which are important to him. He can receive help which enables him to assess his individual make-up, to acquire increased self-understanding and sensitivity to others, and to grow in the direction of his choice.

The interview takes place in a private office and may last as long as one hour. Sometimes interviews are merely for the purpose of gaining information, in which case only one meeting is necessary. Often, however, the student and the counselor agree that further sessions may be helpful.

No information disclosed in a counseling interview is given to anyone without the permission of the student.

Counseling may be supplemented by means of tests which provide the student with more information about his interests, academic abilities, personal characteristics, study skills and special aptitudes.

The Counseling and Testing Center is open Monday through Friday from 8:30 to 4:30 p.m. The services of the Center are available free of charge to all students enrolled at the College. Students are encouraged to avail themselves of these services whatever the nature or seriousness of the problem.

Career Planning and Placement

The Career Planning and Placement Office's basic function is to provide a center for career planning where counseling on an individual basis may be offered to all students. This service is available to all students and alumni who wish to plan future careers of academic work. Counseling assistance is provided for student self-evaluation, occupational skills evaluation, and vocational outlook opportunities. A career library and career studies surveys are available as a service to students wishing to pursue their interests in depth.

The Placement Service's basic function is to assist students in securing first-entry positions in either the field of teaching or any other appropriate professional occupation. Job vacancies, civil service opportunities and teacher vacancies are publicized to seniors. Numerous campus interviews are scheduled for businesses, industries, public schools and civil service agencies. Student confidential folders are available to employers upon mutual request.

All students are encouraged to register with the Career Planning and Placement Office.

College Health Services

The College Health Service operates in a modern fully-equipped facility which provides every convenience necessary for the health needs of students. The health services are extended to all students of Mansfield State College.

These services emphasize a preventive health program which consists of tuberculin testing administered to all seniors to meet graduation requirements and to all personnel working with the food services associated with the College. Influenza immunization clinics are held in the fall, in October and November. Allergy vaccine is administered to students if it has been prescribed by their physician.

Members of the health staff work to furnish a thorough but friendly and individual service to which a student may come for help of any sort. Since medical records and consultation are **entirely confidential,** there is no possibility of embarrassment to the student and consequently no reason for avoiding diagnosis of suspected contagious diseases or other illnesses.

Students who are ill are encouraged to report to the Health Center for examination and treatment by the nurses and college physician, and where condition indicates, admission to the infirmary is advocated. Infirmary services are available twenty-four hours a day during the time the College is in session. Medications and treatments are dispensed to the students free or at a very minimal charge depending on the type of medication prescribed.

Student Health Insurance Plan

Mansfield State College offers its full-time students a comprehensive hospital, surgical and medical insurance program which provides twelve-month protection against the cost of injury or illness. This policy covers the student not only while at school, but during school holidays, summer vacations and other times when the student is away from college.

Full-time students will be covered under the plan effective September 1 through the next August 31, provided they register and pay the insurance fee appearing in the student bill by registration date. Students who do not register until the start of the second semester will be covered when the second semester begins through August 31.

For complete information a brochure is available from the secretary to the Vice-President for Student Affairs.

Student Personnel Services

Philosophy of Student Personnel. The basic goals of the Student Personnel Staff are to organize and administer the activities of students so as to promote a total climate of learning at Mansfield State College. Our aim is the overall development of the student as an individual with an integrated personality capable of functioning fully within our society.

Our further goals are to encourage responsibility for self-regulation, social responsibility, independence in judgement, flexibility in thinking and actions, and self-confidence, to promote greater self-awareness, better understanding of other people, and less prejudice in thinking, to promote more effective communication between students and faculty-administration, to encourage greater concentration on the role of counseling rather than the role of disciplinarian, holding with the belief that discipline should be administered with a view to education and positive change.

The student personnel staff believes that the student is an individual with dignity and worth in his own right. He has responsibilities to the society in which he lives with regard to assuring that the dignity and worth of other individuals is not overlooked or ignored as he strives to meet his needs or goals. The student should be assisted to achieve optimum development — intellectually, socially, physically and emotionally in order to enhance him in his roles as student, parent, teacher and citizen.

The student who is motivated to achieve optimum development has a higher probability toward developing criteria to examine his present culture with a view to maintaining those aspects which are desirable and changing those aspects which are undesirable. In accordance with the prevailing system of justice which obtains in our society, a student is innocent until proven guilty beyond reasonable doubt.

The Student Personnel Program is made up of various areas such as Activities, Counseling, Financial Aid, Health, Housing and others which not only provide services but also complement and/or supplement the curricular program by their emphasis on the learning of habits, attitudes, skills and values. The student should be involved, in accordance with his abilities and the existing college rules and regulations, in the formulation of the rules and regulations governing his activities as a member of the college community.

Fees, Deposits, Repayments

(Subject to change without notice)

Summary of approximate costs per academic year (September through May) for Pennsylvania resident students:*

	Art Educ.	Elem. & Secondary	Lib. Educ.
Basic Fee—In-State	$ 650.	$ 650.	$ 650.
Out-of-State	1290.	1290.	1290.
Spec. Curriculum Fee	36.		36.
Activity Fee	60.	60.	60.
Room, Board & Linen Service	720.	720.	720.
Damage Fee	12.	12.	12.
Estimated Cost of Books	100.	100.	100.
Student Union Fund	20.	20.	20.
In-State	$1598.	$1562.	$1598.
Out-of-State	$2238.	$2202.	$2238.

	Arts & Sciences	Home Econ.	Music
Basic Fee—In-State	$ 650.	$ 650.	$ 650.
Out-of-State	1290.	1290.	1290.
Spec. Curriculum Fee		54.	90.
Activity Fee	60.	60.	60.
Room, Board & Linen Service	720.	720.	720.
Damage Fee	12.	12.	12.
Estimated Cost of Books	100.	100.	100.
Student Union Fund	20.	20.	20.
In-State	$1562.	$1616.	$1652.
Out-of-State	$2202.	$2256.	$2292.

*Commuting students pay the same costs except the item for room, board, and linen service. Damage fee for commuters is $2 per year. Freshmen taking their first semester at Mansfield during the 12 weeks in the summer, shall be billed on the same basis as a regular September freshman.

The Basic Fee covers registration and keeping of student records, library, student welfare, health service and laboratory facilities. Nursing and quarantine service require an additional fee.

Students taking **eleven** or fewer semester hours shall pay at the rate of $26.00 per semester hour. Students taking **twelve** semester hours shall pay the regular basic fees; basic fees for special curricula shall be prorated on the basis of a **fifteen** semester hour load.

Student Activity Fee. This fee, collected from all regularly enrolled students, will be administered through a cooperative organization approved by the Board of Trustees. It covers the cost of athletics, entertainments, publications, etc. Students taking less than **twelve** semester hours or students taking extension courses may take advantage of this program by paying this fee, but are not obliged to. The fee, determined and collected by the College Student Services, Inc., is $30.00 per semester. CHECKS COVERING ACTIVITIES FEES MUST BE MADE OUT TO COLLEGE STUDENT SERVICES, INC. AND PAID AT OR BEFORE REGISTRATION. Activity fees are not refundable upon withdrawal of the student for any reason.

Room, Board, Linen Service Fee. Board, room and linen service is $360.00 per semester.

Linen services consist of 2 sheets, 1 pillow case, 3 bath towels (per week), and 1 blanket and 1 bedspread. Pillows are not provided. No reduction will be made in the above fees when students go home or furnish any of their own linen supply.

Off-campus students may avail themselves of the College Linen Service as previously outlined, for a charge of $18.00 per semester.

Unless they leave College, boarding students will not be permitted to withdraw from the dining room during the semester.

The housing fee for persons other than students is $15.00 per week.

There will be a special charge for transient lodging of $1.50 (plus sales tax) per night, per person.

Off-campus students may eat in the college dining room at a cost of $180.00 per semester — individual meals: breakfast $.75; luncheon $1.00; dinners $1.50.

The charge for meals to transients; breakfast $.75; luncheons $1.00; dinners $1.50.

Damage Fees. A two dollar campus damage fee is collected from all students to cover bills reflecting malicious damages on campus. Money remaining at the end of each fiscal year is used for improvements in various areas as approved by the Student Government Association. A ten dollar deposit is collected from all residence hall students in the form of a Residence Hall Damage Deposit. This fee is refundable, subject to possible damage claims.

Student Union Fund. There will be a fee due from all full-time students of $10.00 per semester. This fee is required to amortize the cost of Memorial Hall. Part-time students will be charged as follows: 1 thru 6 credits at $2.50 per semester; 7 thru 11 credits at $5.00 per semester. All over 11 credits are considered to be full-time students.

Late Registration Fee. Each student registering after the date officially set for registration is required to pay an additional fee of $10.00 (except when permission for late registration has been secured in advance from the Office of Academic Affairs). The same regulation shall apply to approved inter-semester payments or late pre-registration.

Fees for Out-of-State Students. Students whose legal residence is out of the State of Pennsylvania, taking eleven or fewer semester hours shall pay at the rate of $43.00 per semester hour. Students taking more than eleven semester hours shall pay the regular basic fee which is $645.00 per semester.

A student will be classified as a Pennsylvania resident if he has a Pennsylvania domicile. The domicile of a minor (i.e., under 21 years of age) is that of his natural parent or other person having his legal custody. The domicile of a wife (adult or minor) is that of her husband.

A domicile is considered to be established upon the completion of at least twelve months of continuous residence within the State at the time of registration for classes, provided that: (1) such twelve months are not for the purpose of attendance as a student, (2) there is no intent on the part of person involved to return to another State or country, (3) the person involved is a citizen of the United States and has so formally indicated his intent to become a citizen.

Any student classified as domiciled in Pennsylvania who changes his residence while in attendance at the college is subject to reclassification at the beginning of the first term following subject change of domicile. Students classified as having Pennsylvania resident status include United States Government employees or members of the armed forces who were domiciled in Pennsylvania directly preceding entry into government service and had maintained a Pennsylvania residence address before entering into the armed services.

The Revenue Office is responsible for the determination of resident status.

Part-Time and Summer School Fees. For Pennsylvania residents: $26.00 per semester hour (minimum fee $78.00).

For Out-of-State students: $43.00 per semester (minimum fee $129.00).

Activity Fee: $6.00 per 6-weeks session. For students enrolled as summer freshmen, $30.00 per 12-week session.

Board, room and linen service: $120.00 per 6-week session.

Books and supplies are estimated at $32.00 per 6-week session.

Infirmary Fee

The services of the college physician and the college nurses are available to those who are ill or injured. Medicine for minor illnesses and dressings for injuries are furnished free of charge, but students must pay for special prescriptions or preventive vaccines.

After three days in the Infirmary, students from the dormitory will be charged a hospitalization fee of $1.00 per day in addition to the regular housing fee.

Day students in the Infirmary **without** dining privileges, will be charged a fee of $3.00 per day. This charge includes regular medical and nursing care, and meals while confined to the Infirmary.

Day students in the Infirmary **with** dining privileges, will be charged $1.50 per day for the above services.

Applied Music Instruction Fee

The charge for private music lessons to students not following the music education curriculum or liberal arts music major will be:

Voice, piano, band, or orchestral instruments: $45 per semester for one credit. This fee is in addition to any other fee charges.

Pipe organ: $45 per semester for one lesson per week.

Rental of pipe organ for practice, one period per day: $36.00 per semester.

Rental of band, orchestral instruments, or piano: $8 per semester.

Special Music Instruction Fee

Students of the Music Department who wish private music instruction other than that assigned by the director will pay the same rate for such instruction as students not following the music education curriculum.

Testing and Counseling Fee

There will be a testing and counseling fee of $20.00 per incoming student, payable one time only and not refundable.

Repayments

Repayments will be made when a student withdraws because of personal illness, certified to by an attending physician, or because of such other reasons as may be approved by the Board of Trustees. Payments will include the amount of the contingent and housing fees paid by the student for that part of the semester which the student does not spend in the college.

NO REFUND will be granted to students who are temporarily suspended, indefinitely suspended or dismissed, for the entire semester during which the suspension or dismissal occurs. Students who voluntarily withdraw from the college will receive repayments only on the following basis:

Housing fees will not be refunded for the semester involved when the withdrawal occurs after the first two weeks of the semester as we have committed the college to furnish housing and will be unable to fill the vacant space. Any refund allowed during the first two-week period will only be one-half the total semester fee.

Tuition, special curriculum charges and activity fees, Student Union funds charges and campus damage fees **will not be refunded for the semester involved.**

Dining privileges will be refunded (on a weekly basis) for the time when the student is not at college after such withdrawal and when dining ticket is returned.

All computations and processing of refunds shall originate with the Business Manager.

Schedule of Payments

	*Sept.	Nov.	*Jan.	April
Arts and Sciences Curriculum				
Campus Students	$505.	$180.	$505.	$180.
Commuting Students	$325.		$325.	
Art Education Curriculum				
Campus Students	$523.	$180.	$523.	$180.
Commuting Students	$343.		$343.	
Elementary and Secondary Education Curriculum				
Campus Students	$505.	$180.	$505.	$180.
Commuting Students	$325.		$325.	
Home Economics Education Curriculum				
Campus Students	$532.	$180.	$532.	$180.
Commuting Students	$352.		$352.	
Library Education Curriculum				
Campus Students	$523.	$180.	$523.	$180.
Commuting Students	$343.		$343.	
Music Education Curriculum				
Campus Students	$550.	$180.	$550.	$180.
Commuting Students	$370.		$370.	

Checks or money orders for the above fees should be made payable to the Commonwealth of Pennsylvania with the money drawn on the Harrisburg post office.

*Payments for advance registration should be deducted from this amount.

Payments by Check

Checks paid to the Revenue Office must be made payable to the Commonwealth of Pennsylvania. Any change in this procedure will be on your billing.

Special Charges

Damages. Any damage to rooms or furnishings beyond that caused by normal use will be charged to students. If damage results from use of electrical appliances other than those provided by the college, students will be held accountable.

Charges During Illness. Charges during illness do not include the expense of trained nurses or of medicine. In cases of serious illness, students may be removed to a hospital where special expenses must be met. Cost of transporting a student to or from a hospital are the obligation of the student or sponsor.

Degree Fee. Every candidate for a degree is required to pay a diploma fee of $10.00. An application form for the College Provisional Certificate must be filed with the Registrar at the beginning of the semester in which the student expects to obtain the degree.

Cap and Gown Fee. A Cap and Gown rental of approximately $5.00 must be paid by each degree candidate.

Transcripts and Fees. No official transcript will be issued directly to the student. A fee of $1.00 must be paid for the second and each subsequent copy of the academic record. The fee is waived for transcripts to be used in connection with induction, enlistment, or achievement in the armed forces. Make checks payable to Commonwealth of Pennsylvania.

Delinquent Accounts

No student shall be enrolled, graduated or given a transcript of his record until all fees have been paid.

Financial Obligations

Acceptance of a student is for a semester. Students and sponsors or parents should understand that financial obligations are incurred for the entire semester even though payment may be accepted on a nine-weeks basis.

Application Fee for New Students. An initial fee of $10.00 is required with all applications. This fee covers evaluation procedures and is not refundable for any reason.

Deposits

Advance Registration Deposit. If the applicant receives preliminary acceptance, he must send an additional $50.00 as a guarantee of intention to enter the College for the semester designated. This $50.00 deposit is refundable only if the applicant is not given final acceptance by the Admissions Office.

Payment of Fees

All tuition, special department fees and activity fees are payable in advance on a full-semester basis. Tuition and special department fees are refundable only in case of illness when certified by an attending physician. All other bills including housing fees, dining privileges and extra room rent must be paid at least nine weeks in advance. Checks should be made payable to the Commonwealth of Pennsylvania. If a money order is used, it must be payable at Harrisburg, Pennsylvania. Checks or money orders must be presented in the exact amount of the account. Bookstore purchases are on a cash basis.

Students will not be permitted to enroll for any semester until all bills previously incurred have been paid; nor will credit be certified to other institutions or to the Department of Public Instruction until all overdue accounts have been paid.

Students desiring to leave school before the close of a semester must report to the Office of the Vice President for Student Affairs for formal withdrawal papers. All financial obligations to the College must be met.

Financial Aid

Because Mansfield State College is state-owned, and to a significant degree, state-supported, each matriculating student is subsidized with respect to educational costs. This fact is demonstrated when Mansfield State College costs are compared with those of private institutions, where, despite endowments, tuition and educationally-related charges generally exceed those prevailing here.

Beyond this, however, the College recognizes the steep costs inherent in the acquisition of higher education and administers a balanced program which reflects the high priority given to education by the larger society. Throughout this program, the cooperative nature of the effort is emphasized, and the financial responsibilities of the student and his parents are considered. Matriculation at Mansfield State College is by semester, and therefore the College expects each entering student to have planned to meet college expenses for the semester without expectation of financial aid unless such aid has been previously arranged and confirmed. BASIC TO THIS IS THE CONCEPT OF PRIOR PLANNING BOTH IN THE CASE OF ENTERING STUDENTS AND THOSE PREVIOUSLY ENROLLED.

To qualify for financial aid, a student must:

1. Have been previously enrolled at the College or have been accepted by the Admissions Office and have paid the advance registration fee to that office. Inquiries relating to financial aid may then be addressed to the Office of Financial Aid. (The student aid brochure which is detailed and specific is sent to all admitted students).
2. File a Parents Confidential Statement (PCS) with the College Scholarship Service, Princeton, New Jersey, indicating that a copy be sent to Mansfield State College (code 2655). These forms may be secured through the college financial aid office or through any high school guidance office.

3. Request a copy of the financial aid application from the Office of Financial Aid, Mansfield State College, complete and return same, indicating the type of aid requested prior to the deadlines stated below:

Aid Requested For	Mail PCS to Princeton prior to	Mail Financial Aid Application to MSC prior to
Fall Semester	March 1	May 1
Spring Semester	October 15	November 1
Summer Semester	March 1	May 1

THE PARENTS CONFIDENTIAL STATEMENT IS A TOOL FOR DETERMINING INDIVIDUAL NEED AND NOT AN APPLICATION FOR LOAN, SCHOLARSHIP OR EMPLOYMENT.

The Student Aid program is composed of three categories: employment, loans, scholarships and grants.

I. Employment

A. **Part-time campus employment** supplements personal funds or loans and grants for many students. Mansfield participates in two student-employment programs. The college work study program is funded by the Federal Government and the Pennsylvania State employment program is funded by the Commonwealth of Pennsylvania. Both have similar openings and pay scales for a maximum of 15 hours per week. To establish eligibility for these programs, students must:

1. File a PCS.
2. File an application for employment with the Financial Aid Office.
3. Hold U. S. citizenship in the case of a Federal Work Study Program.

B. **Off-Campus Employment** is limited due to the rural, non-industrialized locale of the College. Obtaining off-campus employment is largely the responsibility of the individual student, although the Office of Financial Aid may be in a position to make occasional referrals when job vacancies are known to exist.

II. Loan Programs

A variety of loan programs is designed to meet the needs of students in solving financial problems.

A. **National Defense Student Loan** (NCSL) is especially advantageous to those who plan to enter the teaching profession because of the cancellation clause. With this stipulation, at least part of the loan may be cancelled upon completion of a period of teaching service. Up to $400 may be borrowed each semester and application must be made each semester; a period of ten years is allowed for repayment. Deferment is available for service with the armed forces, the Peace Corps or Vista programs. Eligibility requirements are:

1. demonstrated financial need
2. U. S. citizenship.

To qualify:

1. file the Parents Confidential Statement
2. file an application for financial aid in the Office of Financial Aid prior to the stipulated deadline.

B. **State Higher Education Agency Guarantee Loan Program.** Pennsylvania, New York and New Jersey are a few of the states which have developed a state-guaranteed loan program. With the deferred-payment plan, students may be permitted to borrow up to $1500 annually. To qualify, students must secure applications from their local banks. Eligibility requirements are:

1. students must apply at a bank in the state in which they are residents
2. students must be accepted at, or matriculated in, approved U.S. colleges, nursing, trade or business programs.

C. **Class of 1969-70 Loan Fund.** Short term loans of $20—$100 are available periodically depending on fund balances. Applications are made through the Office of Financial Aid.

D. **Omicron Gamma Pi Loan Fund** was established for students majoring in Home Economics with preferences given to members of the senior class. Loans are made to students demonstrating high ideals, good character and strong scholastic standing. Applications may be obtained from the office of the Chairman, Home Economics Department.

III. Grants and Scholarships

Both public and private funds are available as scholarship aid to Mansfield students.

A. **Federal Grants. Educational Opportunity Grants (EOG)** are available to students who demonstrate exceptional financial need. Grants are currently maximized at $800 per year and most are renewed annually. A student must, under conditions of the grant, give evidence of an attempt to solve his financial problems by matching EOG funds. Grants may be matched from any of the following sources:

1. State Scholarships (PHEAA)
2. National Defense Student Loans (NDSL)
3. campus jobs
4. various private scholarships.

To qualify for such grants, students must:

1. be citizens of the United States
2. file a Parents Confidential Statement and application for financial aid.

B. **Pennsylvania Higher Education Assistance Agency Grants (PHEAA).** PHEAA grants have aided many students since 1965; they are awarded on the basis of financial need. Information regarding applications and procedures may be obtained from a high school guidance office (in the case of college-bound students) or at the college Office of Financial Aid (for students in attendance at the College).

C. **The Janice Baker Memorial Scholarship.** An annual award of $100 is presented to an undergraduate woman student in the Music Department majoring in voice and displaying the most outstanding contribution to the college in the field of musical performance. The selection will be made by the voice faculty of the Music Department.

D. **The W. H. Colegrove Scholarships.** Two $100 grants are available each year to women students from Tioga County. Awards are made on the basis of academic achievement and financial need. Applications may be obtained and filed at the Office of Financial Aid, prior to November 1 each academic year.

E. **Florence Dornblaser Memorial Awards.** Currently given to women in the junior class of accredited colleges and universities. Information and details may be obtained through the Office of Financial Aid in the second semester of the academic year. The award is sponsored by The Pennsylvania Federation of Democratic Women, Inc.

F. **Theodore Presser Foundation Scholarship Grant.** Annually a grant of $400 is received from this source for award to an outstanding junior or senior majoring in music. Applications are received at the office of the Chairman of the Department of Music and are made in support of undergraduate academic work for the forthcoming academic year.

G. **Esther C. Roberts Award.** Annually, a $100 United States savings bond is awarded to a woman student in the junior year. Criteria for selection are leadership, service to the college community and high academic achievement. Award is made after October 15 yearly. Information may be obtained from the Office of Financial Aid.

H. **Hannah Kent Schoff Memorial Scholarship.** The Pennsylvania Congress of Parents and Teachers annually awards two four-year scholarships of $150 each year to worthy Pennsylvania students selected by the Financial Aid Committee. Criteria are scholarship, financial need and personal qualities. Applications may be made to the Financial Aid Office, prior to March 1. Applicants are, normally, entering freshmen who will utilize the grant for four years. Awards are limited to Education majors.

I. **The Lydia M. Tarrant Extension Homemakers Scholarship.** Three scholarships of $200 each are awarded annually to Home Economics students. Applications for these grants should be made to the office of the Chairman, Home Economics Department in the semester prior to that for which the award is sought.

Appointment of Graduate Assistants

The President may appoint graduate assistants in accordance with law and standards set by the Executive Board of the Commonwealth and the Board of State College and University Directors.

Campus and Physical Facilities

The campus of Mansfield State College occupies a hilltop setting high over the Borough, surrounded by a semicircle of still-higher elevations. Architects have made use of the College's sloping 115 acres to create attractive grounds, where tall trees and lawns provide an atmosphere of quiet dignity.

Mansfield's administrators have steadfastly limited enrollment growth in a manner consistent with the availability of facilities. Thus, expansion plans will permit a gradual increase in the size of the student body. At present the campus buildings include:

Allen Hall. This structure contains a communications center, theatre, laboratories and facilities for classes in special education and audio-visual education.

Alumni Hall. The ground floor of this dual-purpose building houses most of the administrative offices. The upper floors comprise a library of modern design containing a collection of 100,000 volumes which will be expanded annually until its capacity of 300,300 is reached. There are ample reading and study areas for student use. Phase Two of a three-phase library expansion plan with added space for both library and administrative purposes is currently nearing completion.

Arts Building. Facilities are provided in this building for home economics education. Included are textiles, equipment, clothing, curriculum, and foods and nutrition laboratories; a nursery school; reading room and living center. Renovation will fit the building for single-department use.

Athletic Facilities. Recently completed and added to the facilities are seven new tennis courts, three combination tennis and volleyball courts, softball field, band practice field and football practice field. Under construction is a new baseball diamond and the conversion of the old track into an all-weather track.

Belknap Hall. This building contains general classrooms, faculty offices and lounge, language laboratory and a cartography room.

Campus Bookstore. The Campus Bookstore is operated by College Student Services. Any profit accrues to College Student Services for the furtherance of student life. The store is open from 8:30 a.m. to 4:30 p.m., Monday through Friday. During registration week the store is open special hours as posted to aid students in purchasing textbooks, toilet supplies, clothes, etc.

Catherine E. Beecher Cottage and Ellen H. Richards Cottage. These relocated homes are used by women of the home economics education department for home management residency.

Decker Gymnasium and Natatorium. A large playing floor, Olympic pool, locker space and the offices of the physical education staff are provided here.

Doane Health Center. The center contains offices of the college physician and nurses, treatment and isolation rooms. Serious medical or surgical cases receive immediate attention at low cost at the nearby Blossburg State Hospital. Other area hospitals are Soldiers and Sailors Memorial Hospital, Wellsboro; Robert Packer Hospital, Sayre; Arnot-Ogden and St. Joseph's in Elmira. This building was dedicated in December, 1968.

Grant Science Center. One of the most attractive buildings on campus, this structure contains large, well-lighted classrooms and laboratories, lecture halls, and a planetarium.

Laurel Manor. This dormitory facility recently constructed houses 500 women students and provides for the residential, academic and social needs of the residents.

Maple Hall. This facility houses 500 students and is the most recently completed dormitory complex.

Manser Hall (Dining Hall and Kitchen). This building includes dining facilities for one thousand students, faculty dining room, complete kitchen and bakery facilities, lounge and bookstore.

Memorial Hall. This is the new $638,000, three story student center, housing spacious recreation rooms and lobbies, snack bar, TV room, information center, conference rooms, and offices for student service organizations as well as for college administrative personnel.

North Hall. One of the older buildings on the campus which is used as a dormitory, for conference rooms and business offices.

Oak and Hickory Halls. Privately constructed colonial style men's dormitories housing 300 men.

Pine Crest Manor and Hemlock Manor. Two units housing 420 women. The residential, academic and social needs of the students were incorporated into the design of these modern facilities.

President's Home. This brick residence harmonizes with the rest of the campus, lending beauty and dignity to the scene.

Retan Center. Formerly the campus elementary school, houses education offices and classrooms.

South Hall. This office and classroom building houses faculty and administrative offices and also the campus radio station. It occupies the site of the original Mansfield Classical Seminary.

Straughn Auditorium. Seating 1,250, the auditorium is provided with modern motion picture equipment, stage and lighting facilities for concerts, dramatic productions and a three-manual Austin organ.

Van Norman Field. Completed in 1960, this natural semi-amphitheater for football and track commands a sweeping view of the community and surrounding hills. Additional permanent seating facilities were installed in 1966.

Will George Butler Music Center and Steadman Theater. This building is air-conditioned and contains complete facilities for music including a theater with seating capacity for five hundred.

Residence Life. Mansfield State College endorses Residence Hall living. The Student Personnel Staff, working with student and faculty groups, is continually striving to create a program that will result in a living-learning atmosphere in the residence halls.

Experience in residence-hall living contributes to the students' over-all social and emotional growth. Therefore, all freshman students are required to live in the residence halls unless the student commutes from his home. Upperclassmen are required to live in residence halls when there is available space. Deviations from this policy may occur when clarified through the Office of Student Affairs. Exceptions may be granted depending on age, marital status or other extenuating circumstances.

All students who reside in campus housing facilities are expected to continue in residence for the entire academic year unless they withdraw from college, schedule themselves for less than 12 semester hours, move to another community or move to begin student teaching or for other contingencies.

General Regulations

1. Residence Hall Student — one who resides in a residence hall or building referred to by the College as a residence hall or extension thereof.
   - A. All students are required by the College to reside in residence halls when there is available space. (Exceptions: seniors, commuters, married students, students over 21).
   - B. All freshman students are required to reside in residence halls for one academic year. (Exceptions: commuters, married students, students over 21).
   - C. Rental period for each student shall be for an academic year beginning with the fall semester.
   - D. Each student, prior to occupying a room, must sign a housing contract provided by the College or owner of the residence hall and pay all designated fees and deposits.
   - E. Board in the College dining hall is mandatory for students residing in residence halls.
   - F. All students residing in a residence hall are required to abide by the rules and regulations as prescribed by the College and/or residence hall council.
   - G. Mansfield State College reserves the right to enter and inspect all residence hall rooms, but will in all possible circumstances recognize and respect the individual's right to privacy.
2. Off-Campus Student — one who resides in housing which is neither his home, his parents' or relatives' home, nor a college-designated residence hall.
   - A. Seniors and students twenty-one (21) and older who are living off campus may live in housing of their choice, but must, in writing notify the Office of the Dean of Student Activities.
   - B. Juniors, sophomores, and students under twenty-one (21) must obtain permission from the Office of the Vice-President for Student Affairs in order to live off campus.
   - C. Juniors, sophomores and students under twenty-one (21) prior to occupying off campus housing must: sign a housing contract provided by the College and/or landlord, pay all designated fees and deposits, have on file in the Office of the Dean of Student Activities a signed copy of the contract.
   - D. Seniors and students twenty-one and older who may, by choice, choose to live in approved housing must comply with all off-campus housing regulations.
   - E. Mansfield State College reserves the right to enter, with the consent of the landlord, all off-campus approved housing, and will under all circumstances recognize and respect the individual's right of privacy.

3. Commuting Student — one who resides in his parent's home or his own home.
   A. Commuting students who are guests in either residence halls or off-campus housing are subject to the same rules and regulations as students residing in that area.

Specific residence hall regulations applicable to individual halls are available to each student upon request. The enforcement of residence hall regulations has been established through the respective men's and women's resident-hall councils.

The student is responsible for knowing any revisions or additions of residence regulations and for obeying same.

Civil Rights Act. Mansfield State College wishes to have residents representing all creeds, races and ethnic groups living in college residence halls. Therefore, in compliance with the Pennsylvania Fair Education Practice Act, all resident assignments are made without regard to race, religion, color or national origin. Having accepted the Act, we feel that a cross section of cultures provides a cosmopolitan community. The College also complies with the Federal Civil Rights Act, Title IV.

Automobiles. MSC reserves the right to designate and assign areas in which student parking will be permitted.

All students who have or use automobiles must register them with the Security Office during registration. Vehicles brought to campus after registration are to be registered with the Security Office within 24 hours.

Regulations pertaining to vehicle use are distributed at the time of registration. Students are responsible for knowledge of the regulations and for obeying same.

Academic Calendar

(Tentative)

Fall Semester 1971

7	September	Dormitories Open
8	September	First Day of Orientation
13	September	Registration of Upperclassmen
14	September	Classes Begin
24	November	Thanksgiving Recess Begins 8 a.m.
30	November	Classes Resume
18	December	Winter Recess Begins 8 a.m.
3	January 1972	Classes Resume 8 a.m.
14	January	Last Day of Classes
17	January	Final Exams Begin
22	January	Last Day of Exams
23	January	Commencement

Spring Semester 1972

30	January	Dormitories Open
31	January	Registration
25	March	Spring Recess Begins 8 a.m.
4	April	Classes Resume
18	May	Last Day of Classes
19	May	Study Day
20	May	Final Exams Begin
26	May	Last Day of Exams
27	May	Commencement

Summer Session 1972

5	June	Beginning of 1st session
14	July	Last Day of 1st session
17	July	Beginning of 2nd session
25	August	Last Day of 2nd session

Fall Semester 1972

4	September	Dormitories Open
5	September	First Day of Orientation
22	November	Thanksgiving Recess Begins 8 a.m.
28	November	Classes Resume
16	December	Winter Recess Begins 8 a.m.
3	January 1973	Classes Resume
19	January	Last Day of Classes
22	January	Final Exams Begin
28	January	Commencement

Spring Semester 1973

4	February (Sunday)	Dormitories Open
5	February (Monday)	Registration
13	April (Friday)	Spring Recess Begins 8 a.m.
24	April (Tuesday)	Classes Resume 8 a.m.
17	May (Thursday)	Last Day of Classes
25	May (Friday	Last Day of Exams
26	May (Saturday)	Commencement

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Superintendent of Public Instruction

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Severino Stefanon, Secretary to the Board

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William M. Potter	Wilkinsburg
Dr. K. Frederick Mouger	Bellefonte
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Charles Holmes	*Dean of Arts and Sciences*
Charles Wunderlich	*Dean of Graduate Studies*
James Simonis	*Director of College Libraries*
Leon Lunn	*Director of Admissions*
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William Wanich	*Assistant to the Office of Vice-President of Academic Affairs*
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Verne Jeffers	*Assistant Director of Student Teaching*
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Student Affairs

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Rodney Kelchner	*Dean of Student Activities*
Thomas Costello	*Dean of Career Counseling and Placement*
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Francis Kollar	*Assistant Dean of Students*
Eleanor Starkey	*Assistant Dean of Students*
Barbara Paskvan	*Assistant Dean of Students*
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Rudolph M. Radocaj	*Acting Director of Computer Science Center*
John W. Good	*Director of Facilities Development*

Alumni, Public Relations

J. Horace Strunk	*Director, Office of Public Information And Alumni Affairs*

Faculty

Park, Lawrence, *President*
Ed.D., New York University

Emeriti

Allen, Elizabeth S.
M.A., Columbia University
Retired 1959

Atwater, Cora A.
Mus.B., Chicago Conservatory
Retired 1952

Beyer, Leonard K.
M.S., Cornell University
Retired 1962

Bone, Margaretta M.
Ed.D., New York University
Retired 1970

Brooks, Marjorie
M.A., Eastman School of Music
Retired 1959

Doane, Alice
A.B., New York University
Retired 1940

Foreman, J. B.
M.A., Pennsylvania State University
Retired 1970

Gordon, Clarissan Randall
M.A., New York University
Retired 1961

Grigsby, Jessie
M.A., New York University
Retired 1954

Grigsby, Mildred
M.A., Teachers College, Columbia University
Retired 1959

Hendricks, Enid L.
M.S., University of Boston
Retired 1966

Lewis, Christine S.
M.M., Northwestern University
Retired 1770

Marsh, Edna P.
M.A., Teachers College, Columbia University
Retired 1954

Marvin, Kimble
M.A., New York University
Retired 1959

Morales, Elizabeth
M.A., Teachers College, Columbia University
Retired 1960

Mutchler, Clarence E.
D.Ed., Pennsylvania State University
Retired 1969

O'Brien, Margaret
M.A., McGill University, Montreal, Can.
Retired 1954

Powell, Maryon Farrer
M.A., Teachers College, Columbia University
Retired 1961

Rockwell, Bertha Palmer
B.S.Lib., Millersville State College
Retired 1958

Schappelle, Newell A.
Ph.D., Cornell University
Retired 1970

Swan, Elizabeth
M.A., University of Virginia
Retired 1959

Achey, LesErik B. *Library*
Instructor
M.S.L.S., Drexel University

Bacon, H. Anita *Counseling*
Instructor
M.A., University of Connecticut

Ball, Frank *Speech Communication*
Assistant Professor
M.A., Indiana University

Barlow, Arthur *English*
Instructor
M.A., University of Washington

Bartow, Charles *Speech Communication*
Assistant Professor
Ph.D., New York University

Baynes, John H., Chairman *Music*
Professor
Mus.A.D., Boston University

Beck, Larry J. *Secondary Education*
Assistant Professor
M.S.Ed., Indiana University

Bellamy, Joe David *English*
Assistant Professor
M.F.A., University of Iowa

Bencetic, Stephen T., Chairman *Art*
Professor
D.Ed., Pennsylvania State University

Bennett, Marion S. *Elementary Education*
Associate Professor
M.A., Columbia University

Berglund, Nina F. *Library*
Instructor
M.S.L.S., State University of
New York at Albany

Bickham, Stephen H. *Philosophy*
Assistant Professor
Ph.D., Southern Illinois University

Biddison, Larry T. *English*
Associate Professor
Ph.D., Louisiana State University

Billings, Ruth M. *History*
Associate Professor
M.A., Teachers College, Columbia
University

Blais, Ellen *English*
Assistant Professor
M.A., University of Chicago

Blais, Wilfred *English*
Assistant Professor
M.A., University of Connecticut

Bluhm, George P. *Secondary Education*
Professor
D.Ed., Pennsylvania State University

Bogart, William F. *Chairman of*
Assistant Professor *Foreign Languages*
A.M., Middlebury College

Borkey, Florence *Music*
Associate Professor
M.A., Teachers College, Columbia
University

Borodkin, Irwin *Music*
Associate Professor
M.A., Teachers College, Columbia
University

Borodkin, Pauline K. *Library*
Assistant Professor
M.L.S., University of Southern
California

Brace, Mary M. *Home Economics*
Professor
D.Ed., Pennsylvania State University

Bragg, Charles *Secondary*
Associate Professor
Ed.D., Ball State University

Bramblett, Jerry E. *Music*
Associate Professor
Ph.D., Columbia University

Breniman, Emery R. *Special Education*
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D.Ed., Pennsylvania State University

Bridgman, Robert J. *Mathematics*
Professor
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Briggs, Beverly A. *Home Economics*
Assistant Professor
M.A., University of Illinois

Brown, E. Edward — *Music*
Associate Professor
M.A., Converse College

Brubaker, Nancy — *Special Education*
Assistant Professor
M.A., Bloomsburg State College

Buchanan, Eugenia — *Spanish*
Associate Professor
Doctorado de Filosofia y Letras, University of Madrid, Spain

Burkett, George I. — *French*
Assistant Professor
M.A., University of Oklahoma

Campbell, Douglas — *English*
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M.A., Brown University

Cecere, James G. — *Art*
Professor
D.Ed., Pennsylvania State University

Chau, Yau-Pik — *Economics*
Professor
Ph.D., University of Chicago

Chung, In-Cho — *Biology*
Professor
Ph.D., University of Michigan

Clark, Owen A., Chairman — *Mathematics*
Associate Professor
M.A.T., Brown University

Condon, Richard W., Chairman — *History*
Professor
Ph.D., University of Minnesota

Costello, Thomas J., Dean — *Career Counseling and Placement*
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M.S., Bucknell University

Culver, Frances — *Elementary*
Assistant Professor
M.Ed., Penn State University

Cranmer, Gary — *Upward Bound Program*
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M.A., Bucknell University

Cushard, Edgar M. — *Geography*
Assistant Professor
M.Ed., Pennsylvania State University

Davidson, Murray E. — *Health & Physical Education*
Assistant Professor
M.Ed., Western Maryland College

Davis, Bruce — *Physics*
Associate Professor
M.Ed., Pennsylvania State University

DeGenaro, Arthur P., Chairman — *Health & Physical Education*
Professor
Ph.D., Ohio State University

Dennis, Larry — *English*
Assistant Professor
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DePriest, E. Raleigh — *Library*
Associate Professor
M.A., University of Michigan

DiBiase, Elaine — *Library Education*
Assistant Professor
M.A., University of Wisconsin

Dick, David — *Music*
Associate Professor
M.M., Butler University

Dilg, George — *History*
Assistant Professor
M.A., University of California

Dobberstein, William, Director — *Counseling & Testing*
Professor
Ed.D., New York University

Donahue, M. Martha — *Library*
Assistant Professor
M.A., Indiana University

Donato, Amedee — *French*
Assistant Professor
M.A., New York University

Dowling, John — *Physics*
Associate Professor
Ph.D., Arizona State

Doyle, John — *Music*
Professor
Ph.D., New York University

Dry, Melvin A. — *Health & Physical Education*
Associate Professor
M.Ed., Indiana University of Pennsylvania

Dyck, Henry — *English*
Professor
Ph.D., University of Pennsylvania

Dyck, Kathryn — *Music*
Instructor
M.A., University of Pennsylvania

Engel, Wellington C. — *Mathematics*
Assistant Professor
M.A., University of Kansas

Espino, Josefina — *Spanish*
Assistant Professor
Doctor en Filosofia and Doctor en Pedagogia, University of Havana, Cuba

Evans, Leslie D. — *Secondary Education*
Assistant Professor
M.Ed., Pennsylvania State University

Farrell, Robert A. — *Geography*
Assistant Professor
M.A., University of Oklahoma

Farris, Charlotte — *Home Economics*
Assistant Professor
M.A., Western Illinois State College

Feil, Richard N. — *Psychology*
Associate Professor
Ph.D., The Catholic University of America

Finley, Richard E., Director — *Continuing Education*
Professor
D.Ed., Pennsylvania State University

Francis, Bertram W. — *Asst. Chairman Music Department*
Professor
M.M., Northwestern University

Frombach, Ernest — *Art*
Associate Professor
M.Ed., Indiana University of Pennsylvania

Garvelli, Ralph J. — *Secondary Education*
Assistant Professor
M.Ed., Indiana University of Pennsylvania

Gassner, Edward B., Chairman — *Biology*
Professor
Ph.D., University of Rochester

Gaydos, Mary Ann — *Home Economics*
Associate Professor
M.Ed., Pennsylvania State University

Geiss, Donald R. — *Audio-Visual Aids*
Assistant Professor
M.A., Michigan State University

George, Arnold — *Chemistry*
Assistant Professor
Ph.D., University of Massachusetts

Gertzman, Jay — *English*
Assistant Professor
M.A., Columbia University

Glimm, James — *English*
Associate Professor
Ph.D., University of Texas

Goff, Ralph C. — *Biology*
Assistant Professor
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Goode, William M. — *Music*
Professor
Ph.D., Indiana University

Grace, Joel E. — *Psychology*
Associate Professor
Ph.D., University of Waterloo, Canada

Griffing, Carl K. — *Elementary Education*
Assistant Professor
M.S., Cortland State College

Hafer, Paul C. — *History*
Associate Professor
M.Ed., Pennsylvania State University

Halchin, Lilla C., Chairman — *Home Economics*
Professor
Ph.D., Pennsylvania State University

Halchin, Matthew — *Psychology*
Associate Professor
D.Ed., Pennsylvania State University

Hall, Russell J. — *Biology*
Assistant Professor
Ph.D., University of Kansas

Hart, Harmon G. — *Geography*
Assistant Professor
M.A., Western Michigan University

Hartman, John — *Chemistry*
Professor
Ph.D., Wayne State University

Harrison, Stanley — *English*
Professor
Ph.D., Michigan State University

Heaps, John C. — *Elementary Education*
Professor
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Heaton, Howard L. — *Academic Affairs*
Assistant to the Vice-President
Assistant Professor
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Heck, Richard A. — *Secondary Education*
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Henry, Helen I. — *Music*
Professor
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Heverly, Robert E. — *Mathematics*
Associate Professor
M.S., Bucknell University

Hewitt, William — *Political Science*
Associate Professor
M.A., Kent State University

Hill, Kent — *Music*
Professor
A.M.D., Eastman School of Music

Hill, Peter W. — *Economics*
Assistant Professor
A.M., Bradley University

Hindman, Ira — *English*
Associate Professor
Ph.D., Louisiana State University

Hindman, Kathleen — *English*
Instructor
M.A., Louisiana State University

Holmes, Charles H., Dean — *Arts & Sciences*
Professor
Ph.D., Syracuse University

Honeywell, Lawrence — *Biology*
Assistant Professor
V.M.D., University of Pennsylvania

Howland, Norma S. — *Home Economics*
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M.S., Syracuse University

Hunsicker, C. L. — *Elementary Education*
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D.Ed., Pennsylvania State University

Hunter, Lissa A. — *Art*
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M.F.A., Indiana University

Iovino, David — *Spanish*
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M.A., Duquesne University

Irwin, Robert S. — *Health & Physical Education*
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M.Ed., Toledo University

Jeffers, Verne G. — *Student Teaching*
Assistant Director
Professor
Ed.D., State University of New York at Albany

Johnson, Robert A. — *Elementary Education*
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Jones, Eugene — *Music*
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Karell, Sven O. — *Library*
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Keene, James — *Music*
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Kelchner, Rodney C., Dean — *Student Activities*
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Keller, Katherine E. — *Home Economics*
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Kellerman, Jeanne — *Elementary Education*
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Kemper, Marjorie — *Music*
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Kemper, Richard — *Music*
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Kennedy, Janice — *Home Economics*
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Kjelgaard, Alfred — *Mathematics*
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Klopp, Victor J. — *Library*
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Knapp, Robert — *Mathematics*
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Kollar, Francis — *Assistant Dean of Students*
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Koloski, Bernard — *English*
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Kovich, John T. — *Special Education*
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Kuster, Catherine M. — *Elementary Education*
Assistant Professor
M.Ed., Pennsylvania State University

Lapps, A. Vernon — *Speech Communication*
Assistant Professor
M.A., Wayne State University

Largey, Gale P. — *Sociology*
Assistant Professor
M.A., State University of New York at Buffalo

Leiboff, Michael D. — *Speech Communication*
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M.A., University of Nebraska

Little, John B. — *Music*
Professor
D.M.A., Eastman School of Music

Little, Marie — *Political Science*
Associate Professor
M.A., University of New Hampshire

Loomis, Thomas — *Art*
Instructor
B.F.A., Wayne State University

Luce, Philip — *Geology*
Assistant Professor
M.A., New York University

Lukasz, Elena — *History*
Associate Professor
M.A., University of Chicago

Lunn, Leon E. — *Director of Admissions*
Assistant Professor
M.Ed., St. Bonaventure University

Lupkowski, Elizabeth — *Home Economics*
Instructor
B.S., College Misericordia

Lutes, Helen D. — *Health & Physical Education*
Professor
M.Ed., Pennsylvania State University

MacCain, Donald C. — *Geography*
Associate Professor
M.Ed., West Chester State College

Mahoney, Nora B. — *Secondary Education*
Associate Professor
M.Ed., Pennsylvania State University

Marsh, Ruth H. — *Elementary Education*
Assistant Professor
M.A., Columbia University

Martin, Helen B. P. — *Home Economics*
Assistant Professor
M.A., University of Illinois

Mason, Richard — *Physics*
Associate Professor
M.Ed., University of New Hampshire

Matthews, A. Thomas — *Sociology*
Professor
Ph.D., Cornell University

Maxson, Robert T. — *Health & Physical Education*
Associate Professor
M.A., George Peabody College

McFadden, Ruby E. — *Library*
Assistant Professor
M.S.L.S., Drexel University

McMullen, Janet — *Home Economics*
Assistant Professor
M.Ed., Pennsylvania State University

Miller, George E. — *Vice-President for Administrative Affairs*
Professor
Ed.D., University of Maryland

Miller, Mildred P. — *Student Teaching*
Assistant Director
Professor
Ed.D., Pennsylvania State University

Miller, R. Guy — *Speech Communication*
Instructor
M.F.A., Ohio University

Mitchell, John P. — *Psychology*
Assistant Professor
M.A., Teachers College, Columbia University

Monaghan, John — *Music*
Instructor
M.M., Duquesne University

Moore, Robert H. — *Health & Physical Education*
Associate Professor
M.S., Pennsylvania State University

Morrison, Natalie — *Art*
Assistant Professor
M.Ed., Pennsylvania State University

Moser, Ethel M. — *Health & Physical Education*
Assistant Professor
M.S., Bucknell University

Mullen, George H., Chairman — *Physics*
Professor
Ph.D., Syracuse University

Mumma, Jacques D. — *Mathematics*
Assistant Professor
M.A., Pennsylvania State University

Munn, Margaret — *Elementary*
Associate Professor
M.A., Teachers College, Columbia University

Murphy, Robert — *Political Science*
Associate Professor
M.A., Villanova University

Musselman, Kenneth A. — *Secondary Education*
Instructor
B.S., Bloomsburg State College

Neff, Winifred — *English*
Assistant Professor
M.Ed., Pennsylvania State University

Nesbit, Larry I. — *Library*
Assistant Professor
M.L.S., University of Pittsburgh

O'Rourke, Paul — *History*
Assistant Professor
Ph.D., University of Notre Dame

Owens, Konrad — *Music*
Assistant Professor
M.M., Michigan State University

Parks, Arlie M. — *Speech Communication*
Associate Professor
M.A., Pennsylvania State University

Paskvan, Barbara — *Assistant Dean of Students*
Instructor
M.S., Miami University

Paskvan, Raymond F. — *History*
Assistant Professor
Ph.D., University of Minnesota

Peltier, David P. — *History*
Professor
Ph.D., University of Delaware

Pfaadt, William C. — *History*
Associate Professor
M.A., Allegheny College

Pfluger, Luther W., Chairman — *Elementary Education*
Professor
Ed.D., Columbia University

Piellusch, Frederick B. — *Geography*
Assistant Professor
M.A., University of Oregon

Pien, Shui-hsien — *Library*
Assistant Professor
M.L.S., University of Pittsburgh

Powell, Manly J., Chairman — *Chemistry*
Professor
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Prutsman, Thomas D. — *Psychology*
Professor
Ph.D., Florida State University

Putt, Robert C. *Elementary Education*
Assistant Professor
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Rawlings, Roger *English*
Instructor
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Remy, Ronald E. *Secondary Education*
Associate Professor
M.A., West Virginia University

Revere, Robert B., Chairman *Political Science*
Professor
Ph.D., New York University

Revere, Virginia L. *Psychology*
Associate Professor
M.A., University of Chicago

Ries, Daniel *Assistant Director of Research and Educational Applications*
Instructor
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Roberts, Esther *Director of Financial Aid*
Instructor
A.B., Vassar College

Rose, Jeanette *Home Economics*
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Rudy, June *Home Economics*
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Rulofson, Ruloff S. *Library Education*
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Rusk, J. Wayne III *Music*
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Russell, David H. *Assistant Director of Admissions*
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Rychak, Jean *Music*
Assistant Professor
M.M., Indiana University

Sabol, Bernard S. *Health & Physical Education*
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M.A., Allegheny College

Sanders, Walter *English*
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M.A., University of Wisconsin

Saveson, John E., Chairman *English*
Professor
Ph.D., University of Cambridge

Sawyers, Thomas *English*
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M.A., Middle Tennessee University

Scheer, Ronald *English*
Associate Professor
Ph.D., University of California, Los Angeles

Schmid, Angeline *Music*
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Schmid, William *Chemistry*
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Schmitz, S. M. *Vice-President for Academic Affairs*
Professor
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Schwartz, Harold E., Jr. *Director of Research*
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Scott, Robert *Vice-President for Student Affairs*
Professor
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Sefler, George F. *Philosophy*
Assistant Professor
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Seidel, Charles, Chairman *Psychology*
Professor
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Serine, Enrico A. *Assistant Director of Admissions*
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Shaw, Henry A. *Health & Physical Education*
Assistant Professor
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Shaw, MaryLou P. *Health & Physical Education*
Instructor
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Sheaffer, Avery — *Anthropology*
Associate Professor
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Shick, Richard L., Chairman — *Special Education*
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Shimer, Helen P. — *Home Economics*
Professor
Ph.D., Purdue University

Sidler, Jack — *Chemistry*
Associate Professor
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Simonis, James — *Director of College Libraries*
Instructor
M.L.S., Pratt Institute

Smichowski, Vincent P. — *Biology*
Associate Professor
Ed.D., Pennsylvania State University

Snively, Laurence — *Psychology*
Professor
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Spahija, Miftar — *French*
Associate Professor
Dottore in Lettere, University of Turin, Italy

Stabler, M. Louise — *Elementary Education*
Associate Professor
E.D., Lehigh University

Stanley, Donald — *Music*
Assistant Professor
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Starkey, Eleanor E. — *Assistant Dean of Students*
Assistant Professor
M.S., University of Pennsylvania

Stich, Thomas F. — *Special Education*
Associate Professor
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Sullivan, Peter — *Foreign Language*
Assistant Professor
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Swinsick, Robert E. — *Secondary Education*
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Ed.D., Pennsylvania State University

Talbot, Richard — *Music*
Assistant Professor
M.M.E., Drake University

Taliaferro, Sandra — *Home Economics*
Instructor
M.A., Kansas University

Tesman, Solomon — *History*
Associate Professor
M.A., University of California at Berkeley

Test, Kathleen — *Upward Bound Program*
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B.S., Mansfield State College

Thomas, Samuel D. — *Art*
Assistant Professor
M.Ed., Pennsylvania State University

Tillinghast, John K., Chairman — *Speech Communication & Theatre*
Professor
Ph.D., Indiana University

Tolosky, Amelia S. — *Home Economics*
Assistant Professor
M.S., State University of New York at Plattsburgh

Trindell, Roger T., Chairman — *Geography*
Professor
Ph.D., Louisiana State University

Trowbridge, Mary Lee — *Home Economics*
Instructor
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Turner, Albert M. — *Library*
Associate Professor
M.L.S., Columbia University

Uffelman, Larry — *English*
Associate Professor
Ph.D., Kansas State University

Unger, Robert W. — *History*
Professor
Ph.D., Ball State University

Vayansky, Michael — *Physics*
Assistant Professor
M.A., Kent State University

Vespa, Angelo D. — *History*
Associate Professor
M.A., Pennsylvania State University

Vroman, Leslie P. *Elementary Education*
Associate Professor
M.Ed., Pennsylvania State University

Wagner, Hilda S. *Speech Communication*
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Walker, John R. *Mathematics*
Associate Professor
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Wanich, William *Assistant to the Office*
Assistant Professor *Vice-President for*
M.S., Bucknell University *Academic Affairs*

Weed, Charles E. *Biology*
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M.Ed., Pennsylvania State University

Werner, Stanley E. *Mathematics*
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Wetherbee, William B. *Mathematics*
Associate Professor
M.S., University of Illinois

Wilcox, Jack M. *Music*
Associate Professor
M.M., University of Michigan

Wills, Roberta *Library Education*
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M.S.L.S., Syracuse University

Wilson, Edward W. *Health & Physical Education*
Assistant Professor
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Wilson, Richard M. *Dean of Professional Studies*
Professor
D.Ed., Pennsylvania State University

Witherow, Dale A. *Art*
Assistant Professor
M.F.A., Instituto Allende, Mexico

Wooley, Robert *History*
Assistant Professor
M.A., University of Wisconsin

Wunderlich, Charles E. *Dean of Graduate Studies*
Professor
Ph.D., University of Michigan

Wunderlich, Joyce C. *Music*
Assistant Professor
M.S., Ithaca College

Wydra, Dennis J. *Secondary Education*
Instructor
M.Ed., Temple University

Young, Gladys B. *Biology*
Associate Professor
M.S., Bucknell University

Zdzinski, Edwin E. *Music*
Professor
Ed.D., Columbia University

Zujkowski, Stanley *Art*
Assistant Professor
M.S., Alfred University

Zulak, Edward *German*
Associate Professor
M.Ed., University of Pittsburgh

PRELIMINARY APPLICATION FORM

DIRECTOR OF ADMISSIONS
MANSFIELD STATE COLLEGE
MANSFIELD, PA. 16933

1 SOCIAL SECURITY NO. | 2 FI | 3 AS | 4 SEX

5 STUDENTS LAST NAME

6 FIRST NAME AND MIDDLE INITIAL

7 HOME TELEPHONE NUMBER

8 STREET ADDRESS (LINE 1)

9 STREET ADDRESS (LINE 2)

10 CITY OF RESIDENCE

11 STATE

12 ZIP CODE

12A COUNTY CODE

13 NAME OF HIGH SCHOOL ATTENDED

14 H.S. CEEB CODE

15 HIGH SCHOOL CITY AND STATE

16 H.S. ZIP CODE

17 GRAD. DATE

18 H.S. COUNTY

19 DATE OF BIRTH

20 LAST INST.

21 NO INST.

22 MILT.

23 EXPECT ENTRY

24 CURRICULUM

25 FA

26 SCHOOL

27 DORM.

28 DINING

29 MART.

TO BE EVALUATED FOR ADMISSION TO MANSFIELD STATE COLLEGE SUBMIT THIS FORM WITH A TEN DOLLAR ($10) APPLICATION FEE TO THE DIRECTOR OF ADMISSIONS. MAKE CHECK OR MONEY ORDER PAYABLE TO 'COMMONWEALTH OF PENNSYLVANIA.'

INSTRUCTION SHEET FOR COMPLETING PRELIMINARY APPLICATION

Please read the following instructions carefully prior to completing the preliminary application form. Take note that each set of blocks on the preliminary application form has a number appearing above and to the right of it. The instructions below are numbered to correspond with the numbers on the application form.

---

1) **Social Security Number.** Complete this entry by filling in your social security number. You must have a social security number or your application cannot be processed.

2) **First Initial.** Enter the first initial of your first name.

3) **Admission Status.** Enter one of the following codes:
   1) If you are submitting your initial application to Mansfield and did not attend any other college or university.
   2) If you wish to enter as a transfer student and have been registered in another institution of collegiate rank.
   3) If you are applying for readmission to Mansfield being that you registered here previously.
   4) If you will be working toward permanent certification.
   *5) If you possess a non-teaching degree and will be working toward certification.
   *6) If you are working for additional certification.
   7) If you are taking courses for personal enrichment.
   8) If you are taking courses for transfer credits at another institution of collegiate rank.
   9) If you are a high school honor student taking college work.

   *Please note: If your admission status is 5 or 6 do not complete items 13 through 18 that pertain to high school.

4) **Sex.** Enter an "F" if female or "M" if male.

5) **Last Name.** Beginning in the left most block enter your last name — one character per block.

6) **First Name / MI.** Beginning in left most block enter your first name and middle initial.

7) **Home Phone Number.** Enter your area code and phone number.

8) **Street Address — Line 1.** Beginning in the left most block enter the apartment number or box number of your residence.

9) **Street Address — Line 2.** Beginning in left most block enter the street address of your residence.

10) **City.** Enter the name of the city in which you reside.

11) **State.** Enter the two character postal code of your home state as reflected on state code list immediately following these instructions.

12) **Zip Code.** Enter the zip code of your residence.

12A) **County Code.** If your residence is in Pennsylvania enter the appropriate three digit county code. County codes immediately follow these instructions.

13) **Name of High School.** Beginning in left most block enter the name of the high school you last attended.

14) **H.S. CEEB Code.** Enter the six digit College Board code assigned to the high school you attended.

15) **City and State of H.S.** Enter the city and state in which the high school listed above is located.

16) **High School Zip Code.** Enter the high school zip code.

17) **High School Graduation Date.** Month and year you graduated from high school.

18) **High School County Code.** If the high school listed above was in Penna. enter the appropriate three digit county code. County codes immediately follow these instructions.

19) **Date of Birth.** Month/Day/Year/ you were born.

20) **Type of Last Institution.** Enter the code that applies to the last institution you attended. Code may be found immediately following these instructions.

21) **Number of Institutions Attended.** Enter the number of institutions you attended that were of collegiate rank.

22) **Military Status.** Enter the codes that are listed immediately after these instructions. If you are female please leave this entry blank.

23) **Expected Entry Date.** Enter the month and year you expect to enter Mansfield State College.

24) **Tentative Curriculum.** In the first two blocks enter the appropriate department code. In the last two blocks enter the appropriate degree code. These codes immediately follow the application form.

25) **Financial Assistance.** Enter a "Y" if your attendance at Mansfield State College is even slightly dependent on financial assistance. Enter an "N" if it is not.

26) **Scholarship.** Enter a "Y" if you will be entering on a scholarship, an "N" if you are not.

27) **Dorm.** Enter a "Y" if you wish to live in a dorm while attending Mansfield State College, or an "N" if you do not.

28) **Dining.** Enter a "Y" if you wish to dine on campus, or an "N" if you do not.

29) **Marital Status.** Enter one of the codes that are found immediately following these instructions.

CODE DEFINITIONS

STATE CODES

ALASKA	AK	KANSAS	KS	NORTH DAKOTA	ND
ALABAMA	AL	KENTUCKY	KY	OHIO	OH
ARIZONA	AZ	LOUISIANA	LA	OKLAHOMA	OK
ARKANSAS	AR	MAINE	ME	OREGON	OR
CALIFORNIA	CA	MARYLAND	MD	PENNSYLVANIA	PA
CANAL ZONE	CZ	MASSACHUSETTS	MA	PUERTO RICO	PR
COLORADO	CO	MICHIGAN	MI	RHODE ISLAND	RI
CONNECTICUT	CT	MINNESOTA	MN	SOUTH CAROLINA	SC
DELAWARE	DE	MISSISSIPPI	MS	SOUTH DAKOTA	SD
DIST. OF COLUMBIA	DC	MISSOURI	MO	TENNESSEE	TN
FLORIDA	FL	MONTANA	MT	TEXAS	TX
GEORGIA	GA	NEBRASKA	NB	UTAH	UT
GUAM	GU	NEVADA	NV	VERMONT	VT
HAWAII	HI	NEW HAMPSHIRE	NH	VIRGINIA	VA
IDAHO	ID	NEW JERSEY	NJ	VIRGIN ISLAND	VI
ILLINOIS	IL	NEW MEXICO	NM	WASHINGTON	WA
INDIANA	IN	NEW YORK	NY	WEST VIRGINIA	WV
IOWA	IA	NORTH CAROLINA	NC	WISCONSIN	WI
				WYOMING	WY

TYPE INSTITUTION CODES

HIGH SCHOOL	1
COMMUNITY COLLEGE	2
JUNIOR COLLEGE	3
COLLEGE (4 YR)	4
COLLEGE OFFERING GRAD. WORK	5
UNIVERSITY	6
GRAD. SCHOOL	7
PROFESSIONAL SCHOOL	8

MILITARY STATUS

NON-VETERAN	1
ACTIVE RESERVE	2
INACTIVE RESERVE	3
MILITARY OBLIGATION COMP.	4
ACTIVE SERVICE	5

MARITAL STATUS

SINGLE	S
MARRIED	M

DEGREE CODES

01—(B.A. or B.M.) — ARTS AND SCIENCE
02—(B.S.) — EDUCATION

CURRICULUM CODES

*14	ART EDUCATION
16	BIOLOGY
18	CHEMISTRY
*22	ELEM. EDUCATION
24	ENGLISH
25	GENERAL EDUCATION
26	GEOGRAPHY
34	HISTORY
*36	HOME ECONOMICS ED.
38	FOREIGN LANGUAGES
*44	LIBRARY EDUCATION
46	MATHEMATICS
48	MUSIC
52	PHYSICS
**54	POLITICAL SCIENCE
**56	PSYCHOLOGY
*64	SPECIAL EDUCATION
68	SPEECH COMMUNICATION & THEATER
*96	GENERAL SCIENCE
*97	SOCIAL SCIENCE
*98	EARTH & SPACE SCIENCE
*99	PUBLIC SCHOOL NURSING

* Education
** Arts & Science

COUNTY CODES

Adams	001
Allegheny	003
Armstrong	005
Beaver	007
Bedford	009
Berks	011
Blair	013
Bradford	015
Bucks	017
Butler	019
Cambria	021
Cameron	023
Carbon	025
Centre	027
Chester	029
Clarion	031
Clearfield	033
Clinton	035
Columbia	037
Crawford	039
Cumberland	041
Dauphin	043
Delaware	045
Elk	047
Erie	049
Fayette	051
Forest	053
Franklin	055
Fulton	057
Greene	059
Huntingdon	061
Indiana	063
Jefferson	065
Juniata	067
Lackawanna	069
Lancaster	071
Lawrence	073
Lebanon	075
Lehigh	077
Luzerne	079
Lycoming	081
McKean	083
Mercer	085
Mifflin	087
Monroe	089
Montgomery	091
Montour	093
Northampton	095
Northumberland	097
Perry	099
Philadelphia	101
Pike	103
Potter	105
Schuylkill	107
Snyder	109
Somerset	111
Sullivan	113
Susquehanna	115
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Venango	121
Warren	123
Washington	125
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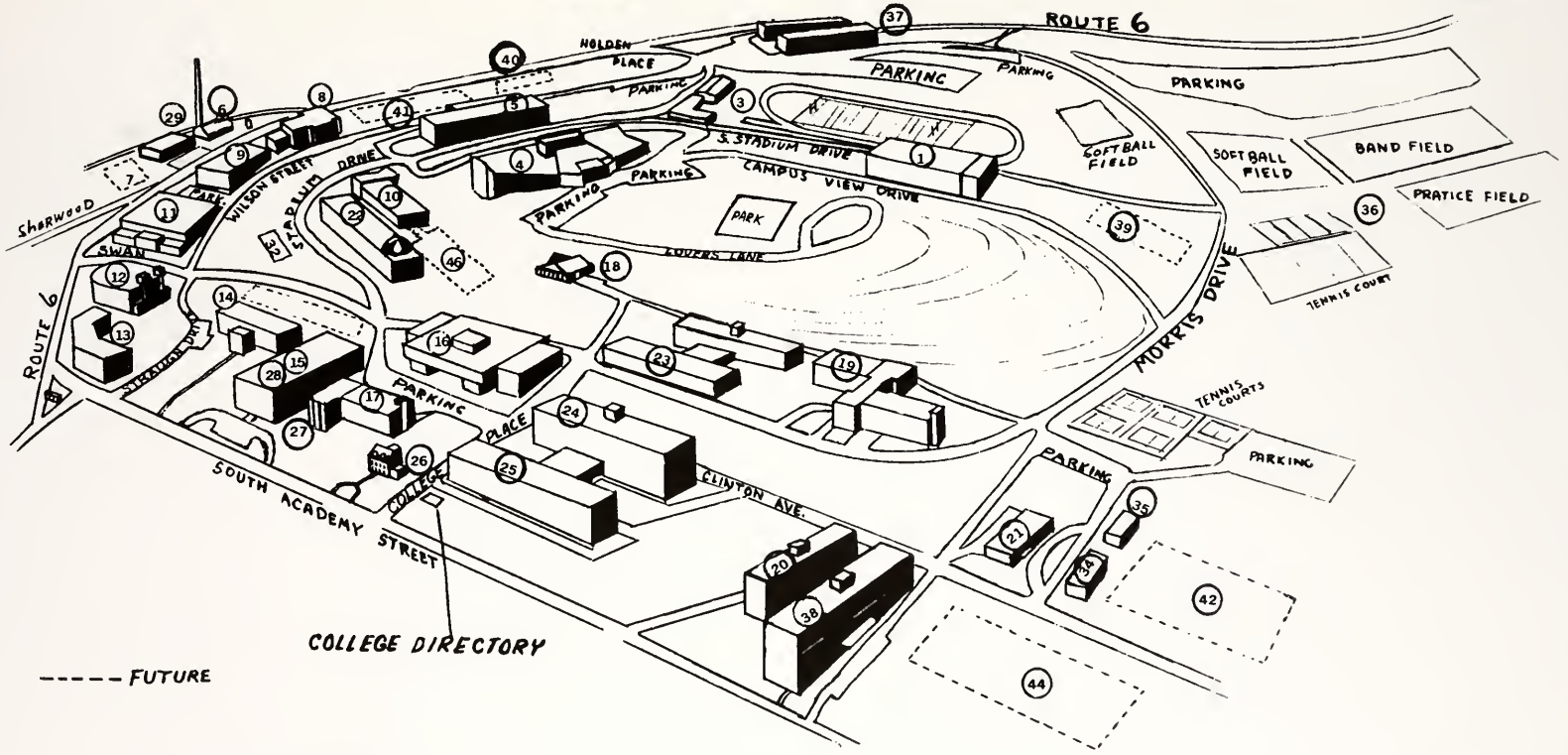
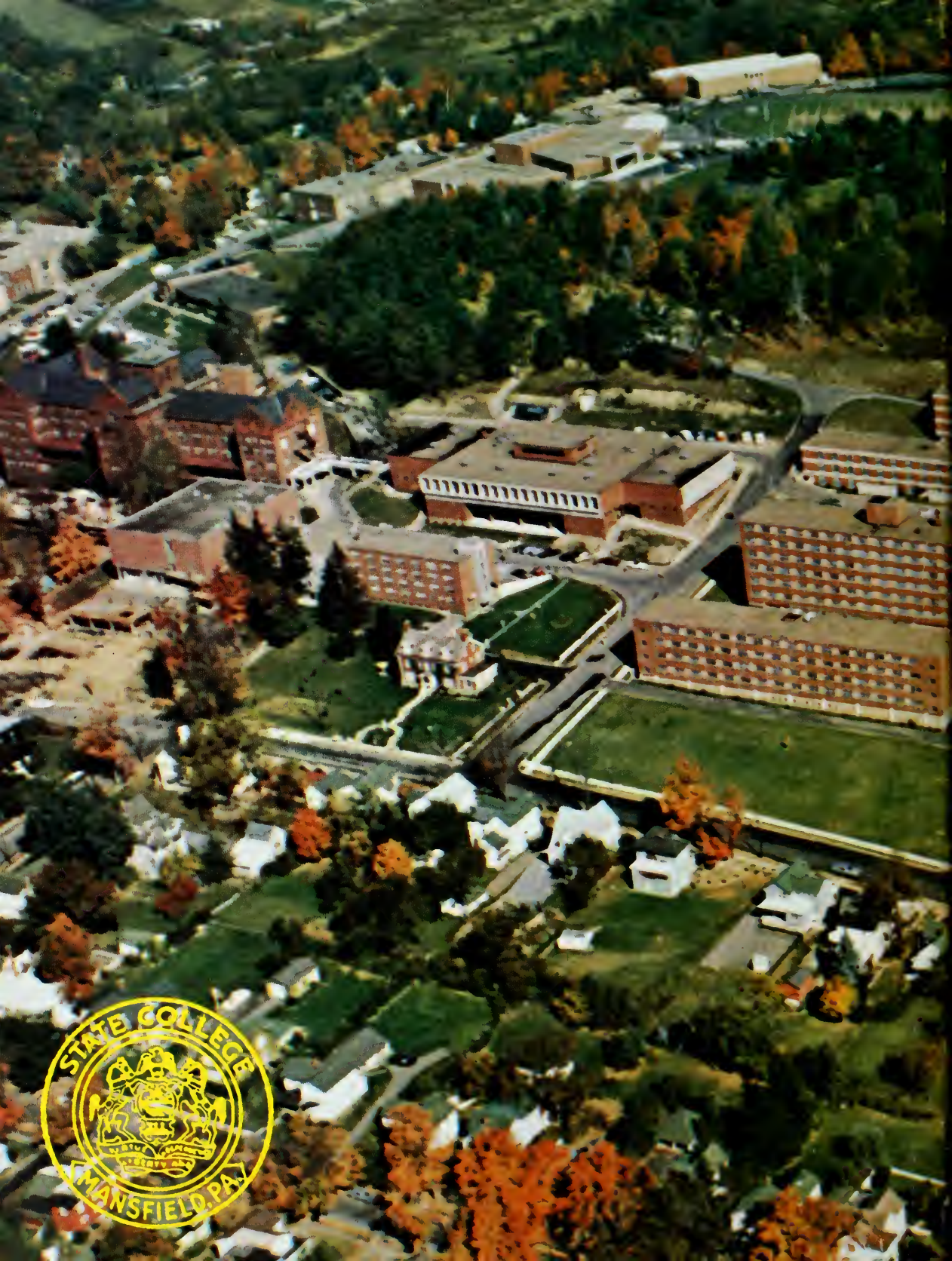
MANSFIELD STATE COLLEGE



KEY TO BUILDINGS

1	Decker Gymnasium
3	Van Norman Field
4	Will George Butler Center & Steadman Theatre
5	Allen Hall
29, 7 & 6	Boiler Plant – Brooks Maintenance Building Carpenter Shop & Garage
8	Retan Center
9	Belknap Hall
10	Grant Science Center
11	Gymnasium
12	Straughn Auditorium
13	Arts Building
14	Memorial Hall
15	Alumni Hall
16	Manser Hall
17	South Hall
18	Hut
19	Hemlock Manor
38 & 20	Maple Hall
21	Doane Health Service Center
22	Grant Science Center Wing
23	Pinecrest Manor
25 & 24	Laurel Manor
26	President's House
28 & 27	Addition – Alumni Hall
32	Greenhouse
34	Ellen Richards Home Management House
35	Catherine Beecher Home Management House
37	Hickory Dormitory
37	Oak Hill Dormitory
39	Research and Learning Center
40	Classroom Building
41	Fine Arts Building
42	Women's Dormitory
44	Men's Dormitory
46	Grant Science Future Wing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MANSFIELD, PA.